

RUTLAND DIRECTORY

1872-1873

RUTLAND HISTORICAL SOCIETY

**CASTLETON
STATE COLLEGE
STEAM STONE CUTTER COMPANY,**

Sole Proprietors and Manufacturers of the

**WARDWELL PATENT
STONE CHANNELING**

OR QUARRYING MACHINE,

For Cutting Stone into various sizes and
Dimensions

IN ALL KINDS OF QUARRIES.

These Machines are extensively used in various
parts of the Country, and are the

**GREATEST LABOR-SAVING MACHINES OF
THE AGE.**

JOHN W. CRAMTON, President.

GEO. E. ROYCE, Treasurer.

CHAS. CLARK, Secretary.

GEO. J. WARDWELL, Supt.

Office and Shops,

RUTLAND, VT.

Rutland Directory 1872-1873

**"THIS MATERIAL
FOR A CIRCULAR
NOT CIRCULAR
CASTLETON
STATE COLLEGE
LIBRARY**

GENERAL

INSURANCE AGENCY,

OPPOSITE DEPOT,

RUTLAND, VT.,

REPRESENTS OVER

\$70,000,000

OF THE BEST

INSURANCE CAPITAL

IN THE WORLD.

LARGE SECURITY. FAIR RATES.

PERFECT INDEMNITY.

PROMPT SETTLEMENT OF LOSSES.

Representing many of the **LARGEST** and
OLDEST Companies in the world, this Agency
possesses **SUPERIOR FACILITIES** for placing
insurance at Reasonable Rates.

CALL AT THE OFFICE BEFORE GETTING INSURED.

Save
VT
947.3
R936d
1872

EAGLE FOUNDRY & MACHINE WORKS,
NEAR R. R. DEPOTS,



RUTLAND, VERMONT.

MANSFIELD & STIMSON,

Manufacturers of every description of

CASTINGS,

Portable and Stationary Steam Engines and Boilers; Quarrying and Mining, Marble Mill and Slate Mill Machinery; Derrick and Hoisting Apparatus; Stone Channeling Machines; Engine, Suction and Force Pumps; Steam and Water Pipes; Circular Saw Mills; Water Wheels; Trip Hammer Irons; Corn Crackers; Shafting, Gearing, Pulleys, etc., etc., etc.

SHOP AND MILL STOVES.

Also a Stock of Iron and Steel Files, Gas Pipes, Brass and Iron Fittings, Leather and Rubber Beltings, Rubber and Flax Packing, Cotton Waste, &c.

Messrs. M. & S. are Agents for the JUDSON GOVERNOR.

Rutland Directory 1872-1873

RUTLAND DIRECTORY.

1

ESTABLISHED 1824.

G. V. S. QUACKENBUSH & CO.,

DEALERS IN

DRY GOODS,

Carpets, Oil Cloths,

WINDOW CURTAINS, CORNICES AND SHADES,

And Manufacturers of

LADIES' CLOAKS, SUITS, &c.,

Corner of Broadway and Third Sts.,

TROY, N. Y.,

Have One of the Largest and Best Assortments
IN THE STATE,

Do Business on the "One Price Cash System,"
And Sell Goods at the Lowest Possible Prices.

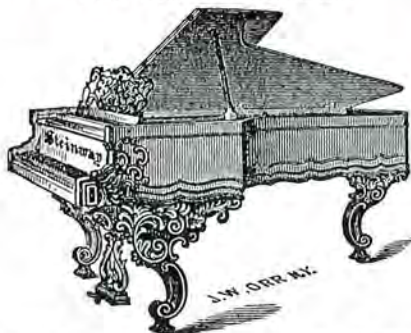
VISITORS TO THE CITY ARE ESPECIALLY INVITED TO
CALL AND EXAMINE OUR STOCK.

G. V. S. QUACKENBUSH & CO.

Separate Department for WHOLESALE.

WHEN IN TROY, CALL AT
CLUETT & SONS'

NEW AND MAGNIFICENT



TEMPLE OF MUSIC!

261 River Street, Troy,

OCCUPYING THE ENTIRE BUILDING OF FOUR STORIES.

We take particular pleasure in inviting attention to this Establishment, which has been fitted up in a style of elegance and convenience hitherto unsurpassed.

We shall take especial pains in showing to all visitors who may call, the different departments of our Warerooms, and our splendid and unequalled stock of pianos, organs and melodeons.

Everything will be freely shown, whether parties are desirous of purchasing or not, and no one will be asked to buy unless wishing so to do. In our spacious Salesroom may be seen those instruments which represent the highest type of American musical mechanism.

AMONG OUR

PIANOS

Will be found the

Steinway Piano, Bradbury Piano, Haines Bros. Piano,
 Guild, Church & Co. Piano, Mathushek Piano.

AMONG OUR

ORGANS,

We have that wonderful musical triumph,

THE CABINET PIPE ORGAN.

Eatey Cottage Organ, Peloubet, Pelton & Co. Organ, Prince & Co. Organ,
 Smith's American Organ, Taylor & Farley Organ.

In other Departments will be found everything new and beautiful in the way of
POPULAR SONGS, MUSIC AND MUSIC BOOKS.

A. G. BRISTOL, LIFE, FIRE AND MARINE INSURANCE AGENCY, MYERS' BLOCK, WHITEHALL, N. Y.

CONNECTICUT MUTUAL INSURANCE,
 Hartford, Ct.

Assets,\$34,000,000

HOME INSURANCE CO., NEW YORK,

Cash Capital,\$2,500,000

INTERNATIONAL INSURANCE CO., NEW YORK,

Cash Capital,\$1,000,000

COMMERCE OF ALBANY,

Cash Capital,\$4,000,000

MERCANTILE MARINE INSURANCE CO., N. Y.,

Assets,\$1,500,000

PEOPLE'S FIRE INSURANCE CO.,

Worcester, Mass.,

Capital,\$600,000

PHENIX INS. CO., HARTFORD, CONN.,

Cash Capital,\$600,000

INSURANCE CO. OF NORTH AMERICA,

Philadelphia, Pa.

Cash Capital,\$2,000,000

ANDES INS. CO., CINCINNATI, OHIO.

Capital,\$1,000,000

TRAVELER'S INSURANCE CO., HARTFORD, CONN.,

Insures against Accidents causing Death or Totally Disabling Injury.

Cash Assets,\$1,500,000

ROYAL INSURANCE CO. OF LIVERPOOL,

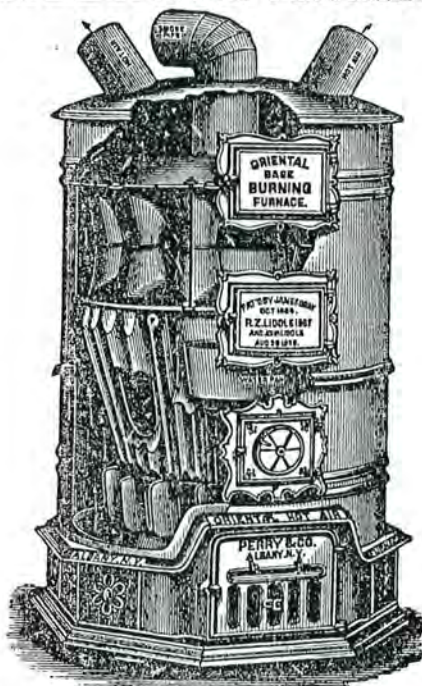
Capital,\$10,000,000

QUEEN FIRE INSURANCE CO.,

Of Liverpool and London,

Capital,\$10,000,000

NINE SIZES OF THE
"ORIENTAL"
 BASE-BURNING PORTABLE



WARM AIR FURNACE!
 AND FIVE SIZES OF THE STATIONARY.

This Furnace was awarded the FIRST PREMIUM by the New York State Agricultural Society, in 1868, the Michigan State Agricultural Society in 1869, and the New York State Agricultural Society, in 1871, we guarantee it give satisfaction in every respect.

PERRY & Co.,
 ALBANY AND NEW YORK CITIES.

Sixty-Six First Premiums awarded these Stoves in 1871.

THE
 "HOT BLAST ORIENTAL"
 BASE-BURNING



HEATING STOVE
 WITH THE
 SIPHON FLUE,

AND THE
"NEW AMERICAN"
 HOT BLAST

COOKING



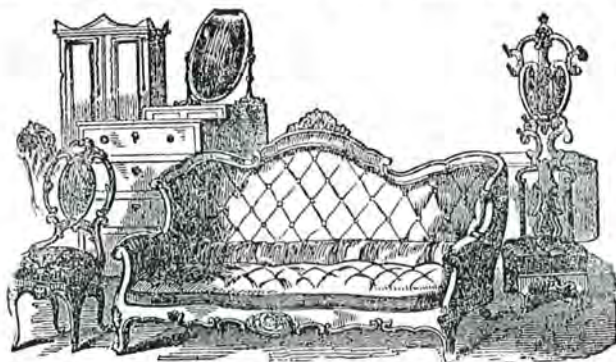
STOVE

Are guaranteed to give perfect satisfaction in every respect by the manufacturers.

PERRY & Co.,
 115 Hudson St., Albany, and St. George Building, 86 Beekman St., New York.

L. G. KINGSLEY,
 RIPLEY'S MARBLE BLOCK,
 DEALER IN
HARDWARE,
 IRON, STEEL,
 Fuse, Powder, Nails, Manilla Cordage,
 TOOLS, CUMBERLAND COAL,
 GLASS, PAINTS, LEAD, OILS, VARNISHES, TABLE AND
 POCKET CUTLERY.
 STANDARD SCALES AT MANUFACTURERS' PRICES.
FURNITURE,
 RICH PARLOR FURNITURE,
 MIRRORS, CENTER TABLES,
 EXTENSION TABLES,
 MATTRESSES, SPRING BEDS, CHAMBER
 SETS, CARPETS, OIL CLOTHS,
 COFFINS, CASKETS,
 And Metallic Burial Cases, &c.
RUTLAND, VT.

FURNITURE!



SIX LARGE WAREROOMS

Well filled with the BEST of all kinds of

HOUSEHOLD FURNITURE,
Mattresses, Spring Beds, etc.,
 WELL AND HONESTLY MADE.
 NO COUNTERFEIT!

This is the PLACE to get the worth of your money.

15 North Pearl St., Albany,

Rooms formerly occupied by Mr. Winne.

E. A. HARRIS, Agent.

Extra Care in Packing Furniture to go out of the City.

Remember the Number and Locality.

**ALBERT W. HIGGINS,
APOTHECARY,**

And general Dealer in

**DRUGS,
CHEMICALS, MEDICINES,
FANCY AND TOILET ARTICLES.**

I have on hand constantly the finest stock of Toilet Goods in the State.

**FOREIGN AND DOMESTIC
PERFUMERIES,**

English and French Hair, Tooth
and Nail Brushes.

All of my goods I guarantee of the finest quality—my Drugs and Chemicals especially are selected with great care, and I warrant their purity.

PHYSICIANS' PRESCRIPTIONS COMPOUNDED

Day and Night by experienced persons.

I have lately added to the above stock a fine selection of

BIRDS AND BIRD CAGES,

Which I shall be pleased to show at all times.

GIVE ME A CALL.

**A. W. HIGGINS,
41 MERCHANTS' ROW, BATES' BLOCK,
RUTLAND, VT.**

DIRECTORY

OF THE

VILLAGE OF RUTLAND,

AND

BUSINESS DIRECTORY

OF

**WHITEHALL, FORT EDWARD, WEST
RUTLAND, CASTLETON.**

COMPILED BY

FITZGERALD & DILLON,

ALBANY, N. Y.



RUTLAND:

**TUTTLE & CO., PUBLISHERS,
1872.**

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 Ross Thomas & Co., machinists, Rutland.....opposite name
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RUTLAND DIRECTORY.

ABBREVIATIONS USED IN THIS DIRECTORY.—ab., above; al., alley; av., avenue; b., boards; c., corner; E., east; h., house; la., lane; n., near; N., north; r., rear; rd., road; R. R., railroad; R. M'fg. Co., Rutland Manufacturing Co.; sq., square; S., South; V. C. R. R., Vermont Central Railroad; W., west.

A

Adams Charles F., physician, house 38 Grove
 Adams Frank, watchmaker at H. E. Adams', b. 1 William
 Adams H. E., watches and jewelry, 9 Center, h. 1 William
 Adams Harry, house 133 Main
 Adams Luther J., employee R. M'fg. Co., house 5 Union
 Adams Luther V., foreman R. M'fg. Co., house 62 Center
 Adams Mark, clerk, boards 1 William
 Adsit Harvey, planer, V. C. R. R., house 9 Franklin
 Aiken Silas Mrs., house 71 Main
 Aiken Susan and Sophia, house 71 Main
 Aiken William P. Rev., house 66 West
 Atkin Robert M., mechanic, boards Stevens House
 Albee M. M., dealer in boots and shoes, 25 Center, house 9
 Perkins avenue
 Alexander Eugene, carpenter, house 10 High
 Allan W. G., printer, "Herald," boards Central House
 Allen Azro B., carbuilder, house 17 Pine
 Allen Charles, harnessmaker, house Union block, 4th story
 ALLEN CHARLES L., physician, 41 Merchants row, house
 86 Main

For Piano Fortes or Organs, go to CLUETT &

14

RUTLAND DIRECTORY.

Allen Eliphalet, farmer, house 4 Main
 Allen George, brakeman, house 7 Elm
 Allen Jehial D., machinist, house 50 Forest
 Allen Jane Mrs., house 27 Merchants row
 Allen John M., farmer, house 4 Main
 Allen Peter, carpenter, house 4 Freight
 Alvord George B., livery stable, house 115 Main
 Alvord Lucy C. Mrs., house 115 Main
 Alvord William M., house 115 Main
 Angier William M., clerk, Tuttle & Co.
 Anthony Aaron, agent, C. H. Hobby, boards 8 Grove
 Armstrong J. W., clerk, boards 18 Grove
 Ashmun S. R., fancy goods and millinery, 29 Merchants row,
 house West
 Atwell James, carpenter, house 39 Center
 Atwood George, moulder, boards 1 Wales
 Atwood Loring, agent, Rutland M'fg. Co., house 26 West
 Aubertin Francis, watchman, V. C. R. R., house 2 Cherry
 Austin Anthony, shoemaker, house 7 Terrill
 Austin Henry, shoemaker, house 17 Elm
 Ayot Nelson, blacksmith, house 38 Meadow

B

Backus Charles C., forger, house Cherry corner Forest
 Baker A. C., painter, house 100 Main
 Baker Gardner M., photographer, house 5 Grant avenue
 BAKER JOEL C., attorney and counsellor at law, 5 Union
 block, house 5 Chestnut avenue [see adv.]
 Baker John, sectionman, house east of fair ground
 Bailey Alvin C., laborer, house 13 Main
 Bailey B. M. (Bailey & Parmenters), house 10 Grove
 Bailey Henry M., bookkeeper, Rutland Co. Nat. Bank, b. F.
 W. Hopkins, Main
 Bailey Margaret Mrs., house 32 Green
 Bailey & Parmenters, watches and jewelry, 17 Merchants
 row
 Baldwin Austin C., cooper and beekeeper, 5 Madison, h. 3 do.
 Ballard John, stonecutter, house 11 Granger

SONS, 261 River Street, Troy. See page 2.

RUTLAND DIRECTORY.

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Barber C. H., agent, C. H. Hobby, h. Kingsley & Sprague's
 block
 Bardy Napoleon (E. D. Keyes & Co.), boards Bates House
 Barker Barney, clerk, express office, house 4 Mechanic
 Barker George R., Eagle dining rooms, 7 Center, house do.
 Barker Raleigh, blacksmith, house 4 Mechanic
 Barker Samuel, bootmaker, house 2 Mechanic
 Barney Horace, house Main corner Park
 Barnum Heman G., travelling agent, house 9 Pine
 Barrett James, box manufacturer, house 116 Main
 Barrett John D., bookbinder, house 13 Washington
 Barrett Marcellus, boards 46 Center
 Barrett Rockwood, treasurer Columbian Marble Co., houses
 116 Main
 Barrows Alvin (French & Barrows), house 36 West
 Barrows Elvin S., clerk, house 36 West
 Barross Jane Mrs., house on the railroad above Park
 Barry Ann Mrs., house rear round house
 Bateman Horace G., fireman, R. & B. R. R., house 6 Terrill
 Bateman William, driver, house 28 Grove
 Bates Adeline Mrs., house 3 Elm
 Bates Amos C. (Landon & Bates), house 35 Grove
 Bates Betsy Mrs., house 5 Church
 Bates Charles P., clerk, H. W. Kingsley, boards 5 Church
 Bates H. M. (Landon & Bates), house 35 Grove
 Baxter H. Henry, president Baxter National Bank, h. Grove
 corner Garden
 Baxter Horace, teller Baxter National Bank, house Cottage
 BAXTER NATIONAL BANK, 69 Merchants row
 Beach Moses M., engineer, house 2 Spring
 Beaman Jencks W., printer, "Herald"
 Beisenau John, carpenter, house 68 Forest
 Bell Miles B., clerk, J. W. Stearns, h. 31 Merchants row
 Belney Joseph, carpenter, house 90 Forest
 Belvey Peter, blacksmith, boards 1 Willow
 Benjamin Bennett (Peck & Benjamin), house 35 West
 Bennett Edward R., fireman, house 43 Forest
 Besse George, sashmaker, boards Orrin T. Cross
 Bierwith Frank, employee V. C. R. R., house 15 Franklin

The Steinway Piano, at CLUETT & SONS,

16

RUTLAND DIRECTORY.

Billings Benjamin (B. & D. Billings), house 18 Cottage
 Billings B. & D., grocers, 67 Merchants row
 Billings D. C. (B. & D. Billings), house 14 Park
 Billings Franklin, 1st selectman, house Park near the R. R.
 Billings Joseph, shoemaker, 2 Court square, house do.
 Birdsall Ned T., ostler, house 3 Spring
 Birdsall Sarah Mrs., house 3 Spring
 Birmingham Matthew, laborer, h. on the R. R. above Park
 Bishop Eben W., laborer, house 29 Main
 Bishop Sarah Mrs., house 12 Wales
 Blaisdell A. C., grocer, 29 Center, house do.
 Blanchard Geo. W., machinist, house Main below the R. R.
 Blanchard Henry L., carpenter, house Main near Park
 Blanchard Roxianna Mrs., house Main below the railroad
 Blanchard Warren, machinist, R. & B. R. R., h. 21 Grove
 Boland Martin, tailor, house 33 Green
 Bonner Francis, shoemaker, house 16 South
 Bosworth Arthur E., clerk, boards 10 Court square
 Bosworth Caleb A., house 6 Church
 Bottum G. R., cashier Baxter National Bank, h. 44 Garden
 Bourne Charles E., clerk, Harlem Extension R. R., h. West
 Bourne M. A., freight agent, Harlem Extension R. R., house
 Wales corner Washington
 Bowtell Edward, painter, house 127 Main
 Boyington Mary Mrs., house 1 Edson
 Boyle John T., printer, "Herald," house 34 Forest
 Boylan Charles J. Rev., pastor, St. Peters Church, house
 14 Meadow
 Boynton David, printer, "Herald"
 Brackett Sally Mrs., house 14 Howe
 Bradshaw Henry, carpenter, house 20 Elm
 Bragg William, machinist, house 45 Forest
 Brewer Calvin Jr., employee Rutland M'fg. Co., house 8
 Perkins avenue
 Briggs Frances Mrs., widow, house 125 Main
 Briggs Hiram L., house 3 William
 Brislen Bernard, laborer, house 19 Green
 Brislen Bridget Mrs., widow, house 52 Green
 Brislen Henry, fireman, house 52 Green

261 River Street, Troy. See Page 2.

RUTLAND DIRECTORY.

17

Brislen John, laborer, house 138 Main
 Broderick John, tinsmith, boards 39 Center
 Brohan Patrick, shoemaker, house 161 Main
 Brooks James, hostler, house on the railroad above Park
 Brooks N. V., manufacturer of marble, house 6 Pleasant
 Brown Charles H., engineer, house 8 Howe
 Brown Dalton, laborer, house 13 Main
 Brown Emmett, peddler, boards 8 Willow
 Brown Isabella M. Miss, boards 16 West
 Brown James, civil engineer, house 16 West
 Brown Nelson, meat market, 62 West, house 60 do.
 Brown Oscar, machinist, house 25 West
 Brown Patrick, laborer, house 50 Green
 Brown William, moulder, house 122 West
 Brown William C., teller, Rutland Co. National Bank, boards
 Bates House
 Bruten James, laborer, house on the railroad, above Park
 Buckbee John T., barkeeper, at Bates House
 Buckman G., mechanic, boards Stevens House
 Buffum Caleb (Buffum & Knowlton), house Clarendon road
 Buffum & Knowlton, meat market, 8 Merchants row
 Bullis S. Frank, clerk, H. A. Sawyer, boards 39 Washington
 Burdett Jesse, division supt. V. C. R. R., boards Bardwell
 House
 Burgess James, baggagemaster, house 34 Forest
 Burke James, carmaker, house 7 Franklin
 Burke Nellie Mrs., house 31 Strongs avenue
 Burnett Charles, conductor, house 79 West
 Burnett W. A., book-keeper, house 8 Grove

BURNHAM & TEMPLE,

Fire, Life and Accident Insurance.

Forty Millions Capital Represented.

OPERA HOUSE, Rutland, Vt.

2*

The Estey Cottage Organ, at CLUETT &

18

RUTLAND DIRECTORY.

Burnham S. E. (Burnham & Temple), house Main
 BURNHAM & TEMPLE, fire, life and accident insurance
 agents, Opera House block [see preceding page]
 Burns Edward, wiper, house 22 Meadow
 Burns James, laborer, house 7 Main
 Burns William, switchman, h. on the railroad above Park
 Burt Benjamin H., dry goods, 31 Merchants row, h. Grove
 corner West
 Burt D. G., harness and saddles, Center, house 20 West

C

Caden John, laborer, house 127 West
 Caden John jr. (J. & T. Caden), boards 127 West
 Caden J. & T., grocers, 4 Freight
 Caden Thomas (J. & T. Caden), house 127 West
 Cady Gay I., carmaker, house 4 Willow
 Cady William P. (Watkins & Cady), boards Bates House
 Cain Jane Miss, house 5 Pine
 Cain John editor Rutland Courier, 10 Merchants row, house
 Grove above North
 Cain John A., farmer, house Grove above North
 Cain Oliver J., carpenter, boards 5 Pine
 Calligher Dennis, laborer, house on railroad above Park
 Campbell C. E., bridgeman, house 2 Prospect
 Candlish Robert, cabinetmaker, house 17 West
 Cannon Thomas, laborer, house rear 27 Granger
 Canton William, foreman, Parker, Dewey & Co., house rear
 70 West
 Cantwell Avery B., foreman, R. & B. R. R., house 5 Spring
 Caples John, laborer, house on the railroad above Park
 Capron Benjamin, farmer, house 9 Main
 Capron George, teamster, house 26 Woodstock avenue
 Cardinal Harvey Rev., pastor French R. C. church, house 6
 Lincoln avenue
 Carlin John, house 6 Green
 Carlin Owen, laborer, house 10 Green
 Carpenter Anson W., photographer, boards 2 Nickwackett
 Carpenter Alanson W., clerk, boards 2 Nickwackett

SONS, 261 River Street, Troy. See page 2.

RUTLAND DIRECTORY.

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Carpenter Cyrel, grocer, 115 Main, house do.
 Carpenter David, mason, house 2 Willow
 Carpenter Henry O., boards Bardwell House
 Carpenter Hiram R., house 2 Nickwackett
 Carpenter Lemon, farmer, house 3 Main
 Carrigan Edward, printer, "Herald"
 Carroll Cabray, blacksmith, house 49 Meadow
 Carroll Timothy, laborer, house 16 Forest
 Carruth Jerusha, dressmaker, house 7 Woodstock avenue
 Carruth Lucius, laborer, house 7 Woodstock avenue
 Casey Ange, chairmaker, house 105 West
 Caswell S., mechanic, boards Stevens House
 Cawley Dennis, watchman V. C. R. R., house 25 South
 Cawley Patrick, blacksmith, house 27 River
 Ceylon Frank W., chairmaker, boards 78 West
 Ceylon George M., brakeman, boards 78 West
 Chaffee Frederick (D. M. White & Co.), house Clarend road
 Chamberlain Andrew, carpenter, house 18 Perkins avenue
 Channell Charles E., tinsmith, house 5 Grant avenue
 Channell David B., blacksmith, house 16 Main
 Chaplin George W., retired farmer, house 144 Main
 Chaplin George W., jr. (Stearns & Chaplin), house 33 West
 Charon Alfred, wheelwright, house 68 Forest
 Chase Benjamin K. & Co., watches and jewelry, 25 Mer-
 chants row
 Chase George M., trackmaster, house 11 Elm
 Cheney Gershon, farmer, house 146 Main
 Cheney G. H. (G. H. & H. W. Cheney), house 78 Main
 Cheney G. H. & H. W., country store, Old Union Store,
 Main
 Cheney H. W. (G. H. & H. W. Cheney), house 76 Main
 Cheney Hiram L., retired mason, house 129 Main
 Chittenden Daniel, cabinetmaker, boards Central House
 Clark A. W., jeweler, house 4 Cain
 Clark Bros. & Marshall, watches and jewelry, Merchants
 row, corner West
 Clark Charles, sec'y Steam Stone Cutter Company, house 4
 Prospect
 Clark Frank L., clerk, W. B. Mussey, boards 32 Grove

The Beautiful low-priced Haines Piano, at

20

RUTLAND DIRECTORY.

Clark George E., patternmaker, house 53 Main
 Clark George, jeweler, house 4 Cain
 Clark Henry, Editor of Herald, house 4 Prospect
 Clark Henry E., house 17 Center
 Clark Horace G. (Clark Bros. & Marshall), house 26 Grove
 Clark James, laborer, house 1 Granger
 Clark Jesse, teamster, house 98 Main
 Clark Norman (Clark Bro's. & Marshall), house 9 Grove
 Clark Prudence Mrs., house 3 William
 Clark Stery Mrs., house 1 Garden
 Clark Timothy, laborer, house 160 Main
 Clark William A., conductor R. & S. R. R., b. 16 Washington
 Clark William T., house 33 Washington
 Clark Wallace W., clerk, boards Bates House
 CLARKE H. E., physician surgeon and druggist, 17 Center, house do.
 CLARKE OCTAVIUS H. E., physician and surgeon, 17 Center, house do.
 Clemons Stephen, gardener, house east of fair ground
 Clement Wallace (Clement & Son), house 35 Washington
 Clifford John, helper, house 124 West
 Clifford Mary C. Mrs., house 152 Main
 Clifford Patrick, butcher, house 113 West
 Clifford William, blacksmith, house 5 School
 Clifford William, clerk at Dr. Hanrahan's, boards 124 West
 Clogston Luman, machinist, house 1 Wales
 Cobb A. H., printer, house 11 Perkins avenue
 Collins Bridget Mrs., house on the railroad near Park
 Collins E. F. Mrs., boards 8 West
 Collins John P., clerk, house 11 Franklin
 Collins Nellie, widow Jeremiah, house 11 Franklin
 Columbian Marble Company, 120 West
 Collins John P., clerk at E. D. Keyes & Co., h. 11 Franklin
 Collins Patrick, laborer, house 167 Main
 Concen Cornelius, laborer, house 21 Granger
 Congdon Henry C., freight agent, house 13 Elm
 Conlan Alice, Mrs., widow, house 29 East
 Conlan James, carpenter, house 11 Green
 Conlan Patrick, mason, house 47 Meadow

CLUETT & SONS, 261 River St., Troy. See p. 2.

RUTLAND DIRECTORY.

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Connelly Mary Mrs., house 10 Granger
 Connington Michael, laborer, house 24 South
 Connor Alfred, telegraph operator, b. Rufus Frost's, Grove
 Connor Daniel, shoemaker, house 52 Meadow
 Connor Henry, engineer, R. & W. R. R., house 2 Chestnut
 Connors John, laborer, house on the railroad above Park
 Connorton Michael, laborer, house 24 South
 Cook E. Foster, house 28 Washington
 Cook Fitz W., printer, house 125 Main
 Cook John, grocer, 44 Center, house 4 Chestnut avenue
 COOK JOHN W., agent Howe's Sewing Machines, Center corner Wales, house 49 Grove
 Cook Orel, retired physician, house 96 Main
 Cook William, conductor, Harlem Extension R. R., house 1 1/2 Park
 Coppins Benjamin T., moulder, boards 5 Howe
 Coppins E. J. Mrs., house 19 Woodstock avenue
 Coppins Esther Mrs., house 5 Howe
 Coppins Julius, chairmaker, house 21 Pine
 Coppins Mary J. Mrs., house 21 Pine
 Coppins Phillip, carpenter, house 21 Pine
 Corbett John, laborer, house 9 Cherry
 Corcoran Dominick, laborer, house 93 West
 Corcoran James, boilermaker, house 93 West
 Corcoran Peter, laborer, house 27 East
 Corneen Thomas, switchman, house 98 West
 Costello Bridget Mrs., house 15 Green
 Costello John, laborer, house 15 Green
 Costello John (Lyston & Costello), house 15 Green
 Costello Michael, machinist, house 10 Green
 Coughlin Daniel, laborer, house 29 Granger
 Cox John, teamster, house North corner Grove
 Cox George, teamster, house Grove near North
 CRAMTON J. W., proprietor Bardwell House, opposite depot [see adv.]
 Crandall Jabez L., trainmaster, V. C. R. R., h. 11 Summer
 Crawford George W., chief of police, house 23 Elm
 Crooks H. D. (Paige & Crooks), boards Central House
 Cronin Daniel, tailor, house 3 Green

For any variety of Musical Goods, call at **CLUETT**

22

RUTLAND DIRECTORY.

Cronin Ellen Mrs., house on the railroad above Park
 Cross Eldad, boards Orrin T. Cross
 Cross Orrin T., sash, doors and blinds, Evelyn, h. r. 70 West
 Crow Michael, laborer, house on the railroad above Park
 Crow Michael, laborer, house 126 West
 Crowley John, laborer, house on the railroad above Park
 Crowley Thomas, laborer, house rear round house
 Culrane Patrick, mason, house 47 South
 Culver Lewis, clerk at Verder's, boards 21 Wales
 Cumming Alex. (Cumming & Wing), house 29 Grove
CUMMING & WING, druggists, 45 Merchants row
 Cummings Joseph, shoemaker, house 10 Terrill
 Cummings Mary, widow, house 2 Chestnut avenue
 Cummings Patrick, mason builder, house 66 Forest
 Cummings Peter Mrs., house 20 Meadow
 Cunningham Arthur O., clerk, house 19 Cottage
 Cunningham John, harnessmaker, house West corner Grove
 Cunningham Orlando Rev., house 19 Cottage
 Cunningham Stephen, laborer, h. on the railroad above Park
 Currier Albert M., clerk, O. W. Currier, 6 Merchants row
 Currier Joseph, carpenter, boards 4 Spring
CURRIER O. W., boots and shoes, 6 Merchants row, h. do.
 Curtin Patrick, laborer, house 22 South
 Curtin S. P., coal dealer, house 6 Grove
 Cushman Charles F., carpenter, boards Stevens House
 Cushman W. W., general agent Republic Life of Chicago,
 Kingsley & Sprague's block, house Grove
 Cusick James, laborer, house on the railroad near Park
 Cutler George, laborer, house 9 Willow
 Cutting William, brakeman, house 132 Main
 Cyr Narcisse Rev., house 11 Pleasant

D

Daggett Homer, machinist, boards 55 West
 Daggett Julius E., clerk, house 98 Main
 Dalton Patrick, laborer, house 9 Cherry
 Daly James, house 25 Pine
 Daly John, laborer, house 158 Main

& SONS, 261 River Street, Troy. See page 2.

RUTLAND DIRECTORY.

23

Daly Michael, laborer, house 21 River
 Dana Judah, principal of the Graded School, h. 131 Green
 Daniels Charles A., boards 1 Pleasant
 Daniels George, baker, house 15 Washington
 Daniels Luther, president Rutland Savings Bank, h. 74 Main
 Daniels Thomas L., boards 1 Pleasant
 Daniels Warren, house 1 Pleasant
 Daughin John, laborer, house 1 Green
 Davis Albert F., produce dealer, 8 Freight, house Wales
 Davis Catharine B. Mrs., house 12 Elm
 Davis Charles E., farmer, house 14 Main
 Davis Edwin D., fireman, house 15 Elm
 Davis Emeline, widow, house 15 Elm
DAVIS GEORGE M., hairdresser, 23 Merchants row,
 house 28 Park
 Davis Henry W., bridgebuilder, house 2 High
 Davis James, fireman H. E. R. R., house 3 Summer
 Davis Justin M., employee R. & B. R. R., house 8 Evelyn
 Davis N. L., master mechanic R. & B. R. R., h. 10 West
 Davison D. F., watchmaker at H. E. Adams', boards Mrs
 Page's, Washington
 Dawley Edgar F., drug clerk, boards 29 Grove
 Denno Eugene, fireman, V. C. R. R., boards 5 Pine
 Depau Sophia, housekeeper for Rev. Harvey Cardinol
 Derigan Marshal, laborer, house Mineral near Pine
 Dewey Charles C., fireman, house 8 Howe
 Dewey Ferdinand P., silversmith, boards 4 Pine
 Dewey Julia Mrs., house 73 Main
 Divine Patrick, laborer, house 5 Franklin
 Dodge Edward B., engineer, V. C. R. R., boards 5 Pine
 Doherty Daniel, laborer, house Strongs avenue
 Dolan Thomas, laborer, house 18 South
 Dolby Lucinda Mrs., house 102 Main
 Donahoe Timothy, striker, house 46 Forest
 Donnelly John, blacksmith, H. E. R. R., house 15 River
 Dormer Thomas, moulder, boards 5 Wales
 Douglas Henry B., machinist, house 9 Howe
 Douglas W. A., tinsmith, house 5 Grove
 Downs Mary E. Mrs., seamstress, house 19 Woodstock av.

Doyle Rosa, widow Luke, house 43 South
 Duffy John, gardener, house 19 East
 Duie Mae, shoemaker, 39 West, h. West opp. school house
 Dunklee B. F., ice dealer, 5 Main, house do.
 Dunklee Frankie, house 5 Main
 Dunlap John H. T., picture frames, etc., 8 Merchants row, b. Kilburn block
 DUNN & CRAMTON, stoves, wire goods, tinware, woodenware, house furnishing goods, 12 Merchants row
 Dunn James C. (Dunn & Cramton), house 3 Cottage
 Dunton George W., painter, house 25 North
 Dunton Silas G., mason, house 25 North
 DUNTON & VEAZEY, lawyers, 9 Merchants row
 Dunton Walter C. (Dunton & Veazey), house 116 Main
 Dunton W. H., proprietor Fulton Market, 33 Merchants row, house 7 Pine
 Dussault Louis, printer, "Herald," house 13 Merchants row
 Drew A. G. F., clerk, boards 39 Main
 Drew John, sashmaker, house rear 48 Green
 Drinwater Eliza Mrs., house 5 Cherry
 Dye Nathaniel C., superintendent gas works, house 5 Summer
 Dyer Alanson, meat market, 10 West, house do.
 Dyer Horace, farmer, house south end of Main
 Dyer James H., clerk, house 139 Main
 Dyer Patrick, switchman, house 39 Strongs avenue
 Dyer Henry R., steam, gas fitting and plumbing, 15 Merchants row, boards Bates House
 Dyer William L., gasfitter, boards 139 Main

E

Earl Charles L., carpenter, house 11 Willow
 Eastman Matthew B., clerk, boards 91 Main
 Eaton Edward, ostler, house 12 Wales
 Eaton Frank E., moulder, boards 22 Howe
 Eddy John L., lumber dealer, house 20 Madison
 Edgerton E. M. (Ben. K. Chase & Co.), house West
 Edgerton Edwin (Edgerton & Nicholson), house 66 West
 Edgerton Jacob, U. S. assistant assessor, house 72 Main

EDGERTON & NICHOLSON, lawyers, 9 Merchants row
 EDGERTON PHILIP, gun and locksmith, 20 West, house do. [see adv.]
 Edgerton William G., farmer, house 6 Woodstock avenue
 Edson Alonda B., carpenter, house 17 Summer
 Edson Henry (M. & H. O. Edson), house 2 Edson
 Edson James A., clerk W. B. Mussey, house 1 Madison
 EDSON M. & H. O., lumber dealers, sash, doors and blinds, 49 West
 Edson Melzar (M. & H. O. Edson), house 51 West
 Edwards J. C., painter, house 44 Center
 Elder E. W., bookcanvasser, boards 10 Willow
 Ellis Charles W., painter, house 17 Summer
 Elmore William, laborer, house 1 Franklin
 Esmond Nellie, clerk at J. W. Cook's
 Estelle Edward, employee W. M. Field, 80 Main
 Eustace Edward, laborer, house 3 Franklin
 Everts M. G., lawyer, house 24 Elm

F

Fagan Catharine Miss, house 24 Granger
 Fagan Margaret Mrs., house 29 Granger
 Fagan Michael, laborer, house 3 Franklin
 Fagan Patsy, laborer, house rear round house
 Fagan Peter, tailor, 27 Merchants row, house 20 Green
 Fagan Thomas, porter at Bates House
 Fahren Edward, laborer, house 3 Willow
 Fahy Peter, laborer, house 46 Woodstock avenue
 Farmer Charles G., engineer, boards 5 Cottage
 Farmer A. H., carpenter, house 6 Williams
 Farmer Oliver, carbuilder, house 5 Cottage
 Farr Henry L., patternmaker, house 6 Summer
 Farrar Ezra R., machinist, house 23 Perkins avenue
 Farrell Michael, laborer, house 10 Main
 Faulkner Eli, fireman, house 18 Elm
 Faulkner Morgan L., house 6 Williams
 Feeley Thomas, clerk at Bates House
 Fenn Edward, drug clerk, Union block

Fenn Francis (F. Fenn & Co.), house 15 West
 Fenn Francis & Co., druggists and fancy goods, 13 Center
 Ferguson W. L., freight agent, R. & S. Division, D. & H.
 Canal Company, house 12 Cottage
 Fernandez Antonio, machinist, boards 9 Green
 Field Fred A., assistant postmaster, house 80 Main
 Field Henry F., cashier Rutland Co. National Bank, house
 82 Main
 Field W. Henry, patternmaker, house 10 Chestnut avenue
 Field William M., high sheriff, house 80 Main
 Fillmore L. Miss, dressmaker, 37 Center, house do.
 Finton Jeremiah, laborer, house on the railroad above Park
 Fish Winslow Goodspeed, house 15 Main
 FISHER CHARLES M., restaurant, West corner Merchants
 row, house 44 Forest
 Fisher D. C., house 44 Forest
 Fisher Francis A., broker, 6 Bank block, boards 60 Center
 Fisher Ira, peddler, house 23 West
 FISHER J. W., restaurant, 33 Merchants row, h. 7 Mechanic
 Fisher W. H. H., drug clerk, house 14 West
 Fisk Thomas L., carpenter, house 7 Elm
 Fitch John, brakeman, house 1 Granger
 Fitzgerald James, mason, house 12 East
 Fitzgerald Thomas, gardener, house Grove above North
 Fitzsimmon Anna, widow, house 40 Woodstock avenue
 Flack Martin G., bookkeeper, Baxter National Bank, boards
 36 Grove
 Flynn Bernard, blacksmith, house 48 Meadow
 Flynn Bryan, mason, house 30 River
 Flynn Michael, mason, house 56 Meadow
 Foley John, machinist, house 46 Meadow
 Foot Solomon Mrs., house 8 West
 Forbes Cornelius H. (T. Ross & Co.), house 21 Cottage
 Foster Asa G., house 19 Merchants row
 Foster Clarence M., student, house 19 Merchants row
 Foster Edwin L., carpenter, house 13 Meadow
 Foster Henry, employee, R. D. of V. C. R. R., boards Cen-
 tral House
 Foster Miles, laborer, house 152 Main

Foster Patrick, laborer, house 20 River
 Foss Edwin M., conductor V. C. R. R., house 23 Grove
 Foss Henry A., painter, 97 Main, house do.
 Fournier Joseph, mason, house 17 South
 Foyles John, painter, boards 5 Church
 Fox George H., house 2 Cottage
 Fox William, laborer, house east of fair ground
 Francisco A. D., clerk, Francisco's Insurance Agency, house
 8 Church
 FRANCISCO M. J., general insurance agent and adjuster,
 Union block, house 2 Prospect [see adv.]
 Franklin John J., tobacconist, 3 Center, house 46 Center
 Franklin Leonard, painter, house 33 Perkins avenue
 Freese Ann Mrs., house 92 Forest
 French & Barrows, fancy goods, 5 Merchants row
 French Stephen (French & Barrows), house West
 French Sumner, turner Rutland Ma'g. Co., house 95 West
 French Anna Mrs., house 92 Forest
 Frink Eaton A., cabinetmaker, house 38 Washington
 Frost Charles B., foreman R. & S. R. R., h. 21 Washington
 Frost Rufus, baggagemaster, R. D. of V. C. R. R., house 12
 Grove
 Fuller Alden, machinist, house 7 Perkins avenue
 Fuller A. P., marbleworker, house 7 Church
 Fuller Arthur G., carpenter, house 24 Howe
 Furman L. A. Mrs., dress and cloakmaker, 27 Merchants row
 Furman Minor L., house 27 Merchants row

G

Gallagher James, laborer, house 175 Main
 Garde Nelson, springmaker, house 7 Wales
 Gaskill John, clerk, Landon & Bates, house 2 Freight
 Gaskill Joseph Mrs., house 2 Freight
 Gee Frederick, laborer, house 37 Green
 Geer Joseph, blacksmith, house 2 Meadow
 George Thomas, machinist, V. C. R. R., house 23 Pine
 Gerom D., blacksmith, boards 1 Willow
 GIBSON JOSEPH E., blacksmith, carriagemaker and
 horseshoer, 136 Main, house do.

A Complete Musical Emporium, the Temple of

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RUTLAND DIRECTORY.

Gibbraine Bartholomew, laborer, house 162 Main
 Gibson Isaac, teamster, house 8 Pine
 Gibson Ceylon P., shoemaker, house 78 West
 Gibson George, brakeman, house 25 Forest
 Gilbert O. J., insurance agent, boards Stevens House
 Gilfeather James, laborer, house rear round house
 Gilman Francis, farmer, house 21 East
 Gilman George, carriagemaker, boards 5 Terrill
 GILSON THOMAS S., house furnishing goods, china ware
 and undertaker, 21 Merchants row, house 30 West
 Gilson Wesley, machinist, boards 19 Wales
 Gilson Wilbur J., clerk T. S. Gilson, boards 30 West
 Gilligan Thomas, laborer, house 23 East
 Glynn James E., grocer, 23 Merchants row, house do.
 Glynn Sophia Mrs., house 23 Merchants row
 Gleason Daniel M., harnessmaker, house 3 North
 Gleason James, confectioner, house 3 Howe
 Gleason John L., mason, house 13 Terrill
 Gleason John, laborer, house east of fair ground
 Gleason Margaret Mrs., widow, house Main corner Park
 Gleason Mary, widow Michael, house 3 Howe
 Goodbread Albert, laborer, house 44 Woodstock avenue
 Goodnow William, carpenter, house 35 Main
 Goodnow W. D. & Co., auction and commission, 5 Grove,
 house do.
 Gooley Philip, laborer, house Main, near Park
 Goldsmith M., physician, opposite Bardwell House, boards
 Bardwell House
 Goslaw Charles, bridgeman, V. C. R. R., house 10 East
 Gosslin Edward, sashmaker, boards Orrin T. Cross
 Gosslin Ferdinand, sashmaker, boards Orrin T. Cross
 Gordon John, laborer, house 7 Main
 Gould Clarence E., student, boards 14 Church
 Gould Elizabeth Miss, dressmaker, house 15 Main
 Gould R. N. Mrs., dressmaker, house 12 Wales
 Gould W. H. H., carpenter, house 11 Merchants row
 Goulding Joseph H., clerk, house 119 Main
 Grandey Charles A., engineer, V. C. R. R., house 11 Union
 Grandey Dean E., engineer, house 11 Union

Music, 261 River Street, Troy. See page 2.

RUTLAND DIRECTORY.

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Grandey John S., fireman, V. C. R. R., boards 11 Union
 GRANGER C. H., insurance agent, 3 Union block
 Granger James, mason, house 7 North
 Grant John, blacksmith, boards 35 Washington
 Gravel Joseph, carpenter, house 5 Union
 Graves George (Geo. Graves & Son), house 6 Court square
 Graves George E., druggist and toys, Union block
 Graves George & Son, tanners, 4 Court square
 Graves Jerome S., machinist, house 15 Howe
 Gray Henry L., house 10 Church
 Gray Joseph H., mechanic, boards Stevens House
 Green Edgar, farmer, house south end of Main
 Green Edward R., conductor, V. C. R. R., house 15 Pine
 Green Jeremiah, shoemaker, house 9 Woodstock avenue
 Green Nancy Miss, house 61 Main
 Green N. J., superintendent, house 128 Main
 Grenier John, shoemaker at 25 Center
 Griffin John, laborer, house 21 Granger
 Griswold George A., engineer, V. C. R. R., house 52 Forest
 Guertin Joseph, ostler, house 16 Elm
 Guertin Thomas, wheelwright, house 7 North
 Guilford Warren S., bookkeeper, Dunn & Cramton, house
 38 Grove
 GRUBB HENRY P., hairdresser, 71 Merchants row, house
 1 Summer
 Guyott Noah, farmer for John M. Allen

II

Harlem Extension R. R. Co., office 59 Merchants row
 Hackett Frank, marbleworker, boards 5 Church
 Hagar Aaron, house 21 Pine
 Hall Henry, attorney, house 33 Washington
 Hall John M., merchant at Sutherlands Falls, house 57 Main
 Halloran Patrick, laborer, house 17 Granger
 Halpin John, laborer, house on the railroad above Park
 Hance Michael, laborer, house 6 East
 Haney Thomas, pressman, "Herald"
 Hannum Julia L. Mrs., house 61 Center

3*

Hannum Kingsley K., clerk, boards 61 Center
HANRAHAN J. D., physician and surgeon, 3 Center,
 house 21½ do.
 Hale Franklin S. (Hale & Co.), house 3 Maple
 Haley John, laborer, house 4 Meadow
 Haley John, jr., switchman, boards 4 Meadow
 Hall B. M. Rev., pastor M. E. church, house 30 Grove
 Haney Hiram, clerk, E. D. Keyes & Co., house Evelyln c.
 Merchants row
 Harger Luther H., house Court corner Center
 Harlow L. W., painter, house 20 Chestnut avenue
 Harper Joseph, carpenter, house 4 Howe
 Harper Joseph, carpenter, house Evelyln c. Merchants row
 Hardy Emeline Mrs., house 33 Forest
 Hardy Wm. L., engineer, house 33 Forest
 Harmon L. H., mason, house 7 Terrill
HARRIS JOEL B., agent, Rutland Foundry & Machine
 Shop Co., house 75 Main
 Harris John, laborer, house 16 Howe
 Harris W. J., clerk, Chas. J. Hobby, boards at Fishers
 Harris W. J. Rev., rector Trinity church, house 28 West
 Harrison George, blacksmith, house 27 Elm
 Harrison W. Henry, law student, boards Central House
 Harrison James, mason, house 1 Green
 Hart Frederick, brakeman, house 102 West
 Hart Polar, brakeman, V. C. R. R., house 86 West
 Hartney Thomas, laborer, house 3 Willow
HARWOOD E. V. N., dentist, Merchants row corner West,
 house 30 Washington
 Haskell Charles, fireman, house 8 Howe
 Haskins John, planer, house 73 West
 Haslin John, clerk, G. W. Hilliard, boards 18 Grove
 Hathaway John B., music teacher, house 127 Main
HATHORN A. M. Miss, dress and cloak maker, 6 Union
 block, house do.
 Haven J. M., treasurer R. R. Co., house Main
 Hawkins Horatio G., clerk, E. D. Keyes & Co., b. 2 William
 Hawley A. H., slater at Burlington, house 13 Wales
 Hayden J. M., house 85 Main

Hayes Matthew, laborer, house 8 Cherry
 Hayles George J., printer, "Herald," boards 11 Willow
 Haynes B. H., physician, 34 West, house do.
 Haynes Hiram Mrs., house 7 Union
 Haynes Lorenzo, blacksmith, house 7 Union
 Hayward Chas. R., marble dealer, boards 58 Center
 Hayward & Co., meat market, 13 Washington
 Hayward Edward D., clerk, boards 5 Maple
 Hayward Henry, farmer, house south end of Main
 Hayward Ira M., carpenter, house Main near Park
 Hayward James H., clerk, boards 5 Maple
 Hayward Samuel (Hayward & Co.), house 5 Maple
 Hayward S. & Co., grocers, 13 Washington
 Heaney Thomas, compositor, house 91 West
 Hearn David A., cutter, house 36 Forest
 Heeny Michael, laborer, house Strongs av. opp. Hopkins
 Hemenway F. W., baggageman, boards 15 Prospect
 Henderson Benjamin, laborer, house 15 South
 Henderson Benjamin, jr., carpenter, boards 15 South
 Henry Daniel, laborer, house 42 Woodstock avenue
 Henry Sylvester, shoemaker, 3 Pine, house 10 do.
 Henry Willie, clerk, D. Verder's, boards Mary L. Russells
 Hesselton Albert J., sleeping car conductor, house 40 Forest
 Hewitt John, blacksmith, house 3 Granger
 Hewitt John M., machinist, house 29 Main
 Higgins Albert, house 13 Cottage
HIGGINS A. W., druggist, 41 Merchants row, house H.
 Kingsley's Grove [see opp. title]
 Higgins John, laborer, house 23 South
 Higgins Joseph, ostler, house 3 Cherry
 Higgins William, laborer, house 29 South
 Hill Alice Mrs., house 16 Pine
 Hill Andrew J., machinist, boards 61 West
 Hill Edmond L., house 46 Center
 Hill Orlando L., engineer, R. D. of V. C. R. R., house 15
 Washington
HILL SIDNEY S., agent for Conn. Mutual and Guardian
 Life Ins. Co., 2 Union block, house 1 Pine
 Hill William A., machinist, house 1 Pine

The Steinway Piano, at CLUETT & SONS,

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RUTLAND DIRECTORY.

Hilliard Charles B., baker, house 36 Grove
 Hilliard Daniel A., laborer, house 18 East
 Hilliard G. W., dry goods and furs, 37 Merchants row, house 18 Grove
 Hilliard Minor, farmer, house west end of Park
 Hilliard Minor, farmer, house 105 Forest
 Hinchey James, machinist, house 12 Park
 Hinkley Aaron, laborer, house 14 Granger
 Hinkley Stallham, farmer, house 2 Terrill
 Hinkley William, watchman Rutland Mfg. Co., h 10 Forest
 Hitchcock Elizabeth Mrs., house 30 Washington
 Hobby Charles H., agent Wheeler & Wilson's Sewing Machines, Kingsley & Spragues block, house do.
 Holoran Michael, porter at Central House
 Holcomb Arza S., mechanical engineer, boards 61 Center
 Holcomb Frank, fireman V. C. R. R., boards 23 Forest
 Holcomb Silas T., engineer V. C. R. R., house 10 Union
 Holden Emmet C., clerk, house 6 Main
 Holden John A., painter, house 6 Main
 Holden Reuben C., house 6 Main
 Holland George, farmer, house 19 Woodstock avenue
 Hollister Lucina D., seamstress, house 9 Cherry
 Hood Thomas, finisher, V. C. R. R., house 35 South
 Hooks Francis J., clerk, boards Grove corner Spencer
 Hopkins Frederick W., house Main opposite Center
 Hopkins W. F., clerk Spaulding & Co., boards 109 Main
 Horner E. E., roadmaster, house 8 Prospect
 Horton P. A., planer, house 73 West
 Houghton Andrew R., painter Rutland Mfg. Co. h 21 Grove
 Howard Alfred R., restaurant at depot, house 78 West
 Howard Eliza S. Mrs., house 32 Washington
 Howard Henry, express messenger, boards 10 Summer
 Howard J. N., painter, house 6 Court
 Howard J. S., roadmaster R. & S. R. R., house 7 Perkins av.
 Howard Mary Miss., house 32 Washington
 Howe Esther Mrs., house 42 Center
 Howe George E., foreman R. & B. R. R., house 76 West
 Howe Henry S., confectionery and segars, 61 Merchants row, house 31 Grove

261 River Street, Troy. See page 2,

RUTLAND DIRECTORY.

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Howe Warren B., bookkeeper, house 31 Grove
 Howe William, fireman, house 42 Center
 Howe W. B. with H. S. Howe, boards Dr. Woodhouse's, Grove Street.
 Howley Nicholas, laborer, house Strongs av. opp. Hopkins
 Hoy Cornelius, laborer, house 19 Granger
 Hubbard Samuel T., foreman J. B. Harris, house 22 Howe
 Hubbard Sarah H. Mrs., house 37 West
 Hubbard William H., moulder, boards 22 Howe
 Hudson Sullivan, carpenter, house 3 Pearl
 Humphrey John H., machinist, house 22 Elm
 Hunt Fred W. clerk Morgan & Co., house 15 Center
 Hunt L. F., mechanic, house 17 Center
 Hunter Peter, grocer, 6 West, house 12 Terrill
 Huntoon Charles F. (Landon & Huntoon), house 120 Main
 Huntoon E. W. Mrs., house 120 Main
 Hurley John, peddler, house 105 West
 Hussey Matthew, engineer V. C. R. R., house 43 Forest
 Hutchins C. S., bookseller, house 141 Main
 Hutchins S. D., carpenter, house 10 Church
 Hutchinson Albert, carpenter, boards 1 Chestnut avenue
 Hutchinson Charles E. clerk B. W. Marshall, boards 1 Chestnut avenue
 Hutchinson John, carpenter, house 1 Chestnut avenue
 Hyde Edward, laborer, house 1 Franklin
 Hyde W. Harison, moulder, house 6 Mechanic
 Hynes Amos, shoemaker, house 12 Chestnut avenue
 Hynes John, real estate, house 1 Grant avenue

J

Jamieson W. G., telegraph operator, boards Bardwell House
 Jasmin Mothy, peddler, house 11 Main
 Jemery Joseph, hairdresser, house 11 Wales
 Jenness S. D., coppersmith and brass founder, Center opposite Stevens House, house 122 Main
 Jerkowski B., clerk, boards Bates House
 Jerkowski Marcus, clothing, hats caps, etc., 5 Center
 Jewell Merritt, teamster, house 6 Terrill

Jewett Mary L. Mrs., physician and surgeon, house 2 East
 JEWETT SOLOMON W., spirit magnetic healer, h. 2 East
 Johnson Edward, laborer, house 163 Main
 Johnson Henry, laborer, house 163 Main
 Johnson Joseph, printer, "Herald"
 Johnson J. Gibson Rev., pastor Cong. church, h. 87 Main
 Johnson P. B., carpenter, house 14 Cottage
 Johnson Richard, laborer, h. near R. & W. machine shop
 Johnston James, teamster, house 24 Woodstock avenue
 JOYCE CHAS. H., lawyer, Cramtons block, h. 10 Cottage

K

Kane Hannah Mrs., widow, house 34 Green
 Kane Patrick, laborer, house 34 Green
 Keating Daniel, laborer, house on the railroad near Park
 Keefe Alexander, laborer, house 5 Franklin
 Keefe Patrick, laborer, house 3 Granger
 Keenan John, laborer, house 16 Pine
 Keenan John C., moulder, house 19 River
 Kellogg Daniel, laborer, house 6 Granger
 Kellogg Elmer, machinist, house 14 Franklin
 Kelly Bernard, laborer, house 16 Meadow
 Kelly Daniel, laborer, house 128 West
 Kelly Edward, fireman at depot, house 114 West
 Kelly Francis, laborer, house 53 Green
 Kelly I. D. Mrs., hairdressing, 21½ Center, house do.
 Kelly John, laborer, house 8 Green
 Kelly Luke, laborer, house 18 Meadow
 Kelly Samuel, principal, house 7 Cottage
 Kenney W. P. M., carpenter, house 6 Pine
 Kershaw Thomas, machinist, R. & B. R. R., h. 9 Summer
 KEYES E. D. & CO., grocers, Evelyn foot Center [see adv.]
 Keyes E. D. (E. D. Keyes & Co.), house 2 William
 KILBURN A., dentist, Kingsley and Spragues block [see
 adv.]
 KILBURN J. B., dry goods, cloaks and millinery goods, 17
 Center, house 113 Main [see adv.]
 King James W., house 7 Summer

King Joseph, chairmaker, house 12 Forest
 Kingsley Chester, grocer, 28 Merchants row, house 31 do.
 Kingsley Dennis, laborer, house 9 Green
 Kingsley Harvey K., bookkeeper, house 13 Cottage
 Kingsley Henry W., merchant tailor, hats, caps and furs, 9
 Merchants row, house 84 Main
 KINGSLEY LEVI G., hardware, furniture, carpets, 18
 Merchants row, house Grove [see adv.]
 Kingsley Moses P., painter, house 10 Willow
 Kinsman Charles H., foreman, Ripley Sons, house 6 Spring
 Kinsman C. C. (Kinsman & Ross), house 14 Grove
 Kinsman & Ross, dry and fancy goods, 3 Merchants row
 Kinsman R. I., freight checker, house 8 Chestnut avenue
 Kinsman William machinist V. C. R. R., house 17 River
 Knapp Willard W., laborer, house 38 Forest
 Knight Cyrus, fish peddler, house 58 Forest
 Knowlton Myron (Buffum & Knowlton), house Clarendon road

L

Ladd D. E., engineer Harlem extension R. R., boards Cen-
 tral House
 Lalor Edward, laborer, house 7 Green
 Lampman Alphonso, roofer, house 2 Elm
 Lampman Benjamin M., roofer, house 2 Elm
 Lanahan Patrick, rubber, house 19 Meadow
 Landon Albert (Landon & Bates), house Grove
 Landon & Bates, hardware, harness, leather and leather belting,
 Bates block
 Landon Albert, house 11 Church
 Landon Albert R., clerk, boards 6 Evelyn
 Landon Coit, carpenter, house 2 Freight
 LONDON & HUNTOON, flour, hardware, paints etc.,
 Freight corner Evelyn
 Landon John, flower and grass seeds, 57 Merchants row,
 house 6 Evelyn
 Landon Walter C. (Landon & Huntoon), house 13 Grove
 Laphier Wesley, painter, house 24 Forest
 Laparl Joseph, laborer, house 16 East

The Beautiful low-priced Haines Piano, at

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RUTLAND DIRECTORY.

LAPOINTE L., manufacturer and dealer boots and shoes,
26 Center, house 37 do.
LaPart John, helper, house 16 Terrill
LaRue Adolphus, laborer, house near 5 Willow
LaRue Joshua, blacksmith, house 86 West
Lassau Robert, insurance agent, house 12 Wales
Launiere Charles, shoemaker, house 19 Elm
LAWTON LEWIS T., dentist, 4 Merchants row, h. Grove
LAWRENCE GEORGE A., lawyer, Kingsley & Sprague's
block, house 93 Main [see adv.]
Lease W. H., harness and saddles, 41 Center, house 17
Perkins avenue
Lee George A., carpenter, house 43 Main
Lee Harrison H., carpenter, h. Perkins avenue 1st from Main
Lee Henry B., carpenter, house 88 Main
Lee James B., carpenter, house 14 Church
Lefebvre Edward, laborer, house 15 Woodstock avenue
Lehr Leo, laborer, house 24 Furnace
Lessar Henry, carmaker, house 1 High
Levigne Peter, coachman for Thomas Lyon, house 22 Wales
Levins Alonzo, painter, house 7 Woodstock avenue
Levins James, printer "Herald," house 12 Howe
Lewin H. T. (Woolley & Lewin), house Summer
Lewis Charles E., porter at Bardwell House
Lewis E. C., druggist, Merchants row corner West, house 8
Cottage
Lewis Edwin F., machinist, boards Stevens House
Lewis Joseph, laborer, house 28 Woodstock avenue
Lewis Nathaniel B., carpenter, house 16 Elm
Lewis Rosetta Mrs., house 9 Pine
Lester Charles C. clerk E. F. Sadler, boards 29 Grove
Liberty Louis, blacksmith, house 74 Forest
Liberty Francis, sawyer, house 43 Green
Licker Peter B., confectioner, house 41 Center
Lincoln William, farmer, house south end of Main
Lindsey, machinist for Mansfield & Stimson, boards 1 Wales
Lindsey James, machinist, house 10 Howe
Lippincott Ion, plumber, gas and steam fitter, Center opposite
Stevens House, house 21 West

CLUETT & SONS, 261 River St., Troy. See p. 2.

RUTLAND DIRECTORY.

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Lisbon J. J., eatinghouse and hairdresser, 97 Main, house do.
Little Joseph, gardener, house 22 East
Little William, printer "Herald," house 94 Main
Litchfield Helen Mrs., house 13 Church
Litermore Solomon, carmaker, house 9 North
Livermore & Co., clothing, hats, caps and furs, 27 Mer-
chants row
Livermore R. F. (Livermore & Co.), house 39 Main
Lloyd John, mason, house 4 Cherry
Loftus Patrick, laborer, house 5 Mechanic
Long Clark L., blacksmith, 26 Wales, house 21 West
Long Marietta Miss, house 11 Merchants row
Long Patrick, laborer, house 18 River
Long Sarah Mrs., widow, house 11 Merchants row
Lord Joseph, ostler for George Richardson
Loveden Elizabeth Mrs., widow, house 25 Granger
Lovely Joseph, laborer, house 9 Elm
Lowell Harriet Mrs., boards 65 West
LYON & QUIN, livery and boarding stable, and carriage
repository, entrance on Center st. and Merchants row
[see adv.]
Lyon T. J. (Lyon & Quin), house 13 Prospect
Lyman Daniel, bridge builder, house 1 Elm
Lyman Milo, carpenter, house 16 Chestnut avenue
Lynch Michael, laborer, house 29 Meadow
Lynch Patrick, laborer, house 27 Meadow
Lynch Thomas, laborer, house 15 Franklin
Lynch Thomas, engineer, house 28 Strongs avenue
LYSTON & COSTELLO, groceries and provisions, 23 Center
LYSTON EDWARD, druggist, 3 Center, house 20 Howe
Lyston Eleanor Miss, housekeeper for Rev. C. J. Boylan
Lyston John D. (Lyston & Costello), house 7 Cherry

M

McAnery Patrick, laborer, house 35 Strong's avenue
McCall W. W., clothier, 55 Merchants row, house Meadow
McCarty Charles, carpenter, house 130 Main
McCarty Richard, engineer, V. C. R. R., h. 25 Franklin
McClure Arthur, sashmaker, boards Orrin T. Cross

For any variety of Musical Goods, call at CLUETT

McClure D. G., canvasser, house 15 Prospect
 McClure E. C., piano tuner, boards 39 Center
 McClure E. S., conductor, Harlem Extension, b. 15 Prospect
 McCormick Catharine Mrs., house 13 Granger
 McCormick John, machinist, house 13 Granger
 McCormick Martin, laborer, house 13 Granger
 McDaniels Gen. Isaac Mrs., house 91 Main
 McDermott Ellen Mrs., widow, house 8 Green
 McDonald Patrick, laborer, house on the R. R. near Park
 McDonnell Andrew, painter, house 24 Woodstock avenue
 McDonnell Patrick, laborer, house 104 West
 McDonnell Thomas, polisher, house 21 Howe
 McDonough Bridget, widow, John, house 41 Meadow
 McDonough Bryan, laborer, house 173 Main
 McDonough James, shoemaker, house 4 Hopkins
 McDonough Mary Mrs., house 169 Main
 McDonough Patrick, laborer, house on the R. R. above Park
 McEwin J. D., mason, house 8 Wales
 McGinness Austin, laborer, house on the R. R. above Park
 McGinness John, hostler, house 131 West
 McGinness William, sawyer, boards 131 West
 McGowan John, laborer, house 5 Hopkins
 McGuire Bartholomew, laborer, house 156 Main
 McGuire Patrick, laborer, house 6 Green
 McGuire Patrick, laborer, house on the R. R. above Park
 McGurk Ellen, widow Patrick, house 49 Green
 McGurk Hanorah Mrs., house 25 Green
 McGurk Martin, coppersmith, house 25 Green
 McGurk Matthew, moulder, boards 28 Strong's avenue
 McHenry Mary Ann Mrs., house 37 South
 McIntyre John, brickmaker, house 4 Green
 McIntyre John H., patternmaker, house 4 Spring
 McKeogh Thomas, engineer, house 26 Forest
 McLane Minnie Miss, house 12 Chestnut avenue
 McLaughlin Bridget Mrs., house 25 East
 McLaughlin James, grocer, 95 Main, house do.
 McLaughlin Thomas Mrs., house 24 Grove
 McLEAN JAMES K., proprietor and editor Rutland Independent, 14 Merchants row, house 29 Washington

& SONS, 261 River Street, Troy. See page 2.

McMahon Daniel, mechanic, boards Stevens House
 McMahon John, laborer, house 106 West
 McMahon John, mechanic, boards Stevens House
 McMahon Martin T., clerk R. R. Thrall's, boards 27 Woodstock avenue
 McMahon Thomas, laborer, house 21 Green
 McManus Henry, blacksmith, V. C. R. R., house 21 Howe
 McManus Peter, peddler, house 93 West
 McNamara Bridget, widow James, house 16 Franklin
 McNamara Daniel, laborer, house east of fair ground
 McNamara Mark, laborer, house 72 Forest
 McNoah William, machinist, house 12 Elm
 Mabury George H., machinist, house Main near Park
 Maccabee Joseph, grocer, 39 Forest, house do.
 Madden James, laborer, house 39 South
 Madden John, carpenter, house 8 Green
 Maddigan Thomas, laborer, house east of fair ground
 Maguire Francis G. Mrs., painter, house 8 Willow
 Mahoney Daniel, laborer, house east of fair ground
 Mailhot Joseph, shoemaker, house 35 Green
 Mallory Charles, sashmaker, boards 7 Summer
 Mandigo Horatio (Hale & Mandigo), house 3 Maple
 Mangan Andrew, laborer, h. Strong's avenue opposite Hopkins
 Mangan John, laborer, house east of fair ground
 Mangan Patrick, laborer, h. Strong's avenue opposite Hopkins
 Mangin Francis, laborer, house 27 Granger
 Mangin Owen, laborer, house 115 West
 Mangin Thomas, laborer, house 33 Strong's avenue
 Manley Madison S., farmer, house 9 Wales
 Manley Thomas D., foreman, house 50 West
 Manny John, laborer, house 23 River
 Mansfield George R. (Mansfield & Stimson), house 46 West
 MANSFIELD & STIMSON, proprietors Eagle foundry and machine works, Union opposite R. R. Car shop [see adv.]
 Mara Timothy, laborer, house on the R. R. above Park
 Maranville Galusha, carpenter, house 31 Main
 Marsh S. D., bookkeeper C. H. Hobby, house 8 Elm
 Marshall A. S. (Clark Bros. & Marshall), b. Stevens House
 Marshall Benjamin W., grocer 1 Grove, house 16 Cottage

The Bradbury Piano, at the Tem-

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RUTLAND DIRECTORY.

Martin A. C. Mrs., physician, 21 Wales, house do.
 Mason Charles, laborer, boards 19 Pine
 Mason Charles S. clerk Watkins & Cady, b. Stevens House
 Mason E. G. manager W. U. telegraph company, h. 6 Maple
 Mason George, clerk G. W. Hilliard, boards 18 Grove
 Mason Lester, house 19 Washington
 Mason W. C., clerk, boards 16 Washington
 Massey Francis Xavier, printer "Courier," house 12 Terrill
 Masters William, teamster, house 19 Elm
 Matthews Byron, carpenter, house 37 Forest
 Matthews Charles H., carpenter, house 37 Forest
 MEACHAM D. H., physician, 2½ Union block, boards
 Central House
 Mead George V., carpenter, house 6 Chestnut avenue
 Mead John A., physician, 22 Washington, house do.
 Mead S. M., insurance agent, boards Bates House
 Meagher John, laborer, house 111 West
 Meagher Stephen, tinsmith, boards 111 West
 Meagher William, moulder, boards 111 West
 Meegan Owen, moulder, house 41 Forest
 MEEKER J. B., music, pianos and stationery, 25 Merchants
 row, house 22 Washington
 Meldon Mary Mrs., house 100 West
 Mellows Frank M., hairdresser, 25 Center, house 37 West
 Merrell Charles A., photographer, boards 33 Grove
 Merrell J. O., photographer, Merchants row corner West,
 house 33 Grove
 MERRIAM E. N., music and sewing machines, 19 Mer-
 chants row, house 8 Chestnut avenue
 Merritt Benjamin G., contractor, house 1 Elm
 Meskey William, upholsterer, house 3 Wales
 MEYERHOFFER VINCENT C., manager of Hartford
 life and annuity insurance company, 1 Bank block, house
 Woodstock avenue [see adv.]
 Mietzke George A., professor of music, 28 Grove, house do.
 Miller Theodore, painter, house 46 Center
 Mills Edward Rev., pastor Baptist Church, h. 25 Washington
 Minahan Patrick, laborer, house rear 5 Willow
 Miner Breno, painter, house 27 Elm

ple of Music, Troy. See page 2.

RUTLAND DIRECTORY.

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Miner Levi, blacksmith, 11 Woodstock avenue, h. 16 Terrill
 Minor Frederick, hairdresser, boards 28 Park
 Moffat Garvin, marbleworker, boards Stevens House
 MONAGHAN H. B., attorney and counsellor at law, 3
 Union block, boards Central House
 Morehouse Washington, printer, "Herald," h. 3 Nickwackett
 MORGAN & CO., dealers in boots and shoes, leather and
 findings, 15 Center
 Morgan David L. (Morgan & Co.), house 39 Main
 Morgan Hiram, section boss, house 49 Forest
 Morris Gilbert, laborer, house east of fair ground
 Morris Herman C. clerk Spaulding & Co., house 68 West
 Morrison Patrick, laborer, house 9 Granger
 Morrison William P., painter, boards 9 Granger
 Morse Edmund A., house 110 Main
 Morse Lucius A., house 13 Grant avenue
 Morse Willis, saloon, 4 West, house 24 Main
 Morton Leander, engineer V. C. R. R., boards 5 Pine
 Moulthrop Robert, farmer, house Main near Park
 Mower A. Miss, fancy goods, 19 Merchants row, h. 19 Wales
 Mulcahe John, harness, 104 Main, house 133 do.
 Mulcahy John, harnessmaker, house 133 Main
 Mullen Mary Mrs., house 97 Main
 Murdock Henry, carpenter, boards 66 Forest
 Murdock William, carpenter, boards 66 Forest
 Murphy James, stonecutter, house 45 Green
 Murphy John, laborer, house 6 Hopkins
 Murphy Michael, house on the R. R. above Park
 Murphy Timothy, laborer, house rear Round House
 Murray John, carpenter, house 21 Elm
 Murray Thomas C. clerk Post Office, house 21 Elm
 Murray Sarah A. Mrs., house 5 Grove
 Mussey George, brick manufacturer, house south end of Main
 Mussey Harry, farmer, house south end of Main
 MUSSEY W. B., groceries and provisions, 11 Merchants
 row, house 32 Grove [see adv.]

N

Names Supply, blacksmith, house 13 Woodstock avenue
 4*

The Decker Brothers Piano, at CLUETT &

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RUTLAND DIRECTORY.

NATIONAL BANK OF RUTLAND, in Bank block
 Naylon John, saddler, boards 23 Washington
 Naylon Michael, laborer, house 8 East
 Neary Mary, widow, house 10 Main
 Needham Joseph B., carpenter, house 10 Park
 Needham L. C., freight clerk, house 8 Park
 Nelson Edward, butcher, house south end of Main
 Nevin Doreas Mrs., house 57 Forest
 Nevin Mathias W., bookbinder, house 57 Forest
 Newton Charles, sashmaker, house 12 Forest
 Newell Joseph, mason, house 8 Terrill
 Nichols C. V. N., photographer, 21½ Center, boards 6 High
 NICHOLS C. W., photographer, 21½ Center, house 6 High
 Nichols Joel T., fireman, house 9 Church
 Nicholson Anson A. (Edgerton & Nicholson), house 7 Cottage
 Nicholson David E., lawyer, house 39 Grove
 Normady John, wheelright, house 130 Main
 Northrop John, employee Rutland Mfg. Co., h. 42 Forest
 Norton Hubert, marblecutter, house 1 Franklin
 Nye Henry W., insurance agent, 2 Merchants row, h. 4 Cain

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O'Brien Annie Miss, dressmaker, boards 38 Washington
 O'Brien Cornelius, painter, house 20 Meadow
 O'Brien Cornelius, stonecutter, house 129 West
 O'Brien Daniel, laborer, house 8 Granger
 O'Brien Timothy, stonecutter, house 9 Pine
 O'Hearn James, laborer, house 13 South
 O'Hearn Patrick, laborer, house on the railroad above Park
 O'Keefe James, teamster, house Mineral near Pine
 Oliver Marble & Granite Works, 77 West
 Olmstead Charles, ticket agent, house 135 Main
 Olmstead George, jeweler, house 109 Main
 ONEY DAVID, tailor; also cutting, making and cleaning
 promptly attended to, 27 Center, house 1 Edson
 Oney William, carpenter, house 11 Green
 Orcutt A. A., carriage painter, West c. Wales, h. 6 Summer
 Ormsby Lucius, printer, "Herald"
 Osgood David S., chairmaker, house 18 Chestnut avenue

SONS, 261 River Street, Troy. See page 2.

RUTLAND DIRECTORY.

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✕ Otis John M., U. S. and Canada and National Express depot
 building, house 121 Main
 Owen Geo. H., law student, boards 3 Court square
 Owen William D., clerk, boards 8 Court square
 Owen W. H. B., groceries, haadware, &c., 73 Center, house
 8 Court square
 Page Chas. W., student, boards 22 Washington
 Page Daniel A., helper, boards 16 Church
 Page David E. Mrs., house 22 Washington
 Page Jacob, machinist, house 31 Forest
 Page John B., prest. of Nat. Bank of Rutland, house Center
 corner Nickwackett
 Page Nathaniel F., blacksmith, house 16 Church
 Paige Norman A., express deliverer, boards 121 Main
 Paige Sylvester F. (Paige & Crooks), house 4 Cottage
 Paine Henry H., patent stitching horse, house 40 Grove
 Paul George, physician, 33 West, house do.
 Palmer Charles E., clerk, house 11 Church
 Palmer George H., dry goods, 29 Merchants row, house 20
 Perkins avenue
 Palmer William, house 3 Spring
 Parker Charlotte Mrs., boards 9 Summer
 Parker Henry T., house 35½ West
 Parker N. R., retired farmer, house 143 Main
 Parker Ruth Mrs., dressmaker, 7 Merchants row, boards
 Orrin T. Cross
 Parker Stephen G., house 143 Main
 Parkhurst C. A. (C. A. Parkhurst & Co.), h. Center c. Main
 Parkhurst C. A. & Co., dry goods, 33 Merchant row
 Parmenter Chester, (Bailey & Parmenters), boards Grove
 Parmenter W. H. (Bailey & Parmenters), boards N. S.
 Stearns, Center
 Parris William, laborer, house east of fair ground
 Patch Alvira, dressmaker, house 12 Chestnut avenue
 Patch Roswell N., conductor V. C. R. R., house 37 Grove
 Patnod Charles, carpenter, house 29 River
 Pease Allen G. Rev., house 119 Main
 Pearson L. L., machinist, house 9 Pleasant
 PECK & BENJAMIN, clothing and gents furnishing goods,
 19 Center

A Complete Musical Emporium, the Temple of

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RUTLAND DIRECTORY.

Peck Elias (Peck & Benjamin), house 35 West
 Pecor Frank, bricklayer, house 6 East
 People's Gas Light Company, office 9 Center
 Perkins Alfred, farmer, house 33 Main
 Perkins Alvah D., farmer, house 18 Main
 Perkins Charles F., grocer, 12 Wales, house 14 do.
 Perkins Harmon S., insurance agent, house 2 Summer
 Perkins Henry O., house 31 West
 Perkins Moses J., real estate, house 181 Main
 Perkins Rufus L., agent, house 14 Wales
 Pennington Thomas, machinst, house 5 Elm
 Peverley Solomon D. (Hayward & Co.), house 1 Maple
 Phillips Alanson, shoemaker, house 58 Main
 Phillips Clarkson, carmaker, house 3 Mechanic
 Phillips R. A., bridge builder, house 1 Perkins avenue
 Pierce Darwin C., mail clerk, house 25 Howe
 Pierce H. H., physician, Center st. Union block, h. 62 Center
 Pierce Levi, house 62 Center
 Pierce Nathan, marble and lumber, house 59 Center
 Pierce Sarah A. Miss, boards 54 Center
 Pierpont Evelyn, house 19 West
 Pierpont Julia Miss, house 18 West
 Pierpont Susan Miss, house 18 West
 Pike Jesse, brakeman R. & B. R. R., boards 8 Willow
 Pike John, teamster, house 13 Church
 Pillen Michael, laborer, house on the R. R. above Park
 Pinney Anna Mrs., widow, house Main corner Park
 Pistol Francis, blacksmith, house 2 Green
 Plaisted Charles B., bookkeeper, boards 9 Chestnut
 Plaisted Elisha, machinist V. C. R. R., house 42 Forest
 Plaisted S. F. Mrs., house 9 Chestnut
 Plumley John, farmer, house 3 Hopkins
 Plummer Charles, carmaker, house 10 Pearl
 Plummer, —, carbuilder, boards 39 Center
 POND E. A., physician and surgeon, Union block, house 114
 Main
 Pond Wallace R., student, boards 114 Main
 Pooler Amasa, house 18 Washington
 Porter Cyrus, physician, office 6 West, house 8 do.

Music, 261 River Street, Troy. See page 2.

RUTLAND DIRECTORY.

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Porter H. W., general insurance agent, 6 Bank building, h.
 83 Main
 Porter James B., physician, 1 Porter avenue, house do.
 Porter James E., house 1 Porter avenue
 Portwine Francis, laborer, house 11 Main
 Post James, peddler, house 5 Pearl
 Potter Charles W., conductor R. & S. R. R., house 1 Spring
 Potter Luther, farmer house 55 Main
 Poulin Joseph, carpenter, house 5 Willow
 Powers C. H., carpenter, house 38 Washington
 Powers Ira, engineer, house 50 Forest
 Pratt Albert, engineer R. & B. R. R., house 10 Summer
 Pratt Charles H., engineer R. & B. R. R., house 10 Pine
 Pratt Frederick N., foreman V. C. R. R., house 8 Forest
 Pratt Horace, fireman, house 6 Howe
 Pratt Newton S., carpenter, house 4 Park
 Pratt Norman H., painter, house 10 Pine
 Pratt Wright, teamster, house 8 Forest
 Preston James, chairmaker, house 25 Center
 Priestard H., photographer, 17 Center, house do.
 Priest True, machinist, house 38 Washington
 Prout John, attorney and counsellor at law, 5 Bank building,
 house 9 Cottage
 Putman James M., coal dealer, house 16 Washington
 Putman J. M., constable and collector, 73 Merchants row
 Putman S. G., station agent V. C. R. R., house 42 Grove



Quilty Edward, house 23 Washington
 Quilty John, tailor, house 23 Washington
 Quilty Michael, painter, boards 23 Washington
 QUIN M., proprietor Bates House, Center cor. Merchants row
 Quin M. (Lyon & Quin), and proprietor Bates House



Rainville Paul, shoemaker, house 2 Chestnut avenue
 Randall Charles J. S., mail agent R. & S. R. R., house 12
 Church

Randall J. J. R., architect, boards Bates House
 Ranno E. C., telegraph repairer, house 8 Willow
 Raymond Isaac W., painter, house 1 Madison
 Raymond Lewis, carpenter, house 24 Forest
 Reardon Owen, engineer, house 18 River
 Reardon Patrick, laborer, house 8 River
 Reed Augustus, fireman, house 2 West
 Reed Charles, teamster, boards 2 West
 Reed Charles G., painter, boards 80 West
 Reed Enos, teamster, house 9 Pearl
 Reed George R., domestic for Mrs. Mary E. Weed
 Reed Gideon, fireman, house 4 West
 Reed Gideon G., laborer, house 17 West
 Reed Hannah Mrs., house 4 West
 Reed Heman B., clerk, house 80 West
 Reed Sullivan C., engineer, house 18 Elm
 Reille Alexander, musician, house 62 West
 Remington John H., auctioneer and real estate, h. 14 Pine
 Reynolds Harvey, laborer, house 7 Cherry
 Reynolds J. B., marble dealer, house 58 Center
 Reynolds S. M., freight clerk, boards 1 Spring
 Rice Byron, carmaker, house 10 Union
 Rice Byron E., carmaker, boards 10 Union
 Rice Christopher, melter, house 48 Green
 Rice Christopher, laborer, house 11 West
 Rice Christopher E., brakeman, house 35 Forest
 Rice John, laborer, house 35 Forest
 Rice Joseph, laborer, house 38 Forest
 Rice Moses, carmaker, house 10 Union
 Rice Warren, carmaker, boards 10 Union
 Rich Owen, freight conductor, house 40 Washington
 Richardson C. F., proprietor Stevens House, Center
 Richardson Edward, confectioner, boards 23 Washington
 Richardson Frank, saloon, 14 Wales, house do.
 Richardson George, liverystable, 4 Wales, house 12 Church
 Richardson Mark S., coppersmith, house 37 Washington
 Ridlon E. F., fancy and dry goods, 43 Center, h. 15 Pine
 Riggs William, laborer, house rear Round House
 Riley Patrick, laborer, house 31 Green

RIPLEY SONS, flour and feed dealers, drain tile mfg
 and marble dealers, Rutland Center [see back cover]
 Ripley Edward H. (Ripley Sons), house Center Rutland
 Ripley William L., president Rutland Co. National Bank,
 house Center Rutland
 Ripley W. Y. W. (Ripley Sons), house 48 West
 Ross Augustus, engineer V. C. R. R., house 11 Howe
 Ross Charles E. (Kinsman & Ross), boards, 107 Main
 Ross Crawford D., machinist, house 3 Madison
 Ross Frank A. clerk Kinsman & Ross, boards 107 Main
 Ross James, physician, 107 Main, house do.
 Ross Martin A., engineer, boards 7 Union
 Ross Thomas (T. Ross & Co.), house 22 Grove
 ROSS THOMAS & CO., machinists and founders, 92, 94
 and 96 West
 Ross Warren E., clerk boards 14 Grove
 Ross Zidon E., printer "Herald," boards 16 West
 Ryan James, house 21 Grove
 Ryan John, stove dealer, house 36 Washington
 Ryan John, laborer, house 19 South
 Ryan Matthew, tinsmith, house 3 Wales
 Ryan P. S., stoves and tinware, 21 Center, house 56 Grove
 Ryan William, grocer, 1 Wales, house do.
 Robbins Orrick L. bookkeeper Rutland Mfg. Co., boards
 Bardwell House.
 Robbins Thomas C., house 137 Main
 Robinson Ebenezer, boards 4 Cottage
 Robinson Henry, tailor, house 11 West
 Robinson Peter, machinist V. C. R. R., house 26 Howe
 Roberts A. L., printer, "Herald"
 Rockwell Ednar Mrs., house 4 Terrill
 Rogers Martin, carpenter, house Brook corner Cain
 Root Charles, grocer, Cherry corner Forest
 Root John, butcher, house 4 School
 Rollins Cornelius V., blacksmith, house 1 Grove
 Rose Francis, confectioner, boards 23 Washington
 Rounds Edgar M., mason builder, house 20 Howe
 Rourke John, laborer, house 21 Howe
 Rowell John, mason, house 47 Grove

Rowell S. W., cashier National Bank, house 64 Center
 Rowell William, farmer, house 13 Summer
 Rowell William F., mailing clerk, Tuttle & Co., b. 47 Grove
 Royce Geo. E., treas. Steam Stone Cutter Co., h. 9 Grove
 Roys L. E., bridgemaster, V. C. R. R., house 123 Main
 Rubedau Joseph, laborer, house 5 Green
 Rugg Ira, house 57 Main
 Ruggles Gershom C., treas. R. M'fg. Co., house 3 Evelyn
 Ruggles Isabella Miss, teacher, boards 5 Church
 Ruggles John L., bookbinder, house 15 Meadow
 Russell George, carpenter, house 8 Pine
 Russell Geo. P., cabinetmaker, boards 61 Center
 Russell James, blacksmith, house 19 Wales
 Russell Martha L. Mrs., boardinghouse, 21 Wales
 RUTLAND BOOT & SHOE CO., 8 Merchants row
 RUTLAND COUNTY NAT. BANK, 22 Merchants row
 RUTLAND FOUNDRY & MACHINE SHOP CO., Furnace street
 Rutland Manufacturing Co., 89 Main
 Rutland Monumental Works, 86 and 88 West
 RUTLAND SAVINGS BANK, in Bank block
 Rutledge John R., gardener for H. Henry Baxter

S

Sabourin John, watchman, V. C. R. R., house 38 Meadow
 SADLER EDWIN F., Rutland Boot & Shoe Co., 8 Merchants row, house 27 Grove
 Sadler Frank F. G., clerk, E. F. Sadler, boards 27 Grove
 Safford Charles W., machinist, house 8 Spring
 Salmon Barbara Mrs., house 16 Meadow
 Salmon Timothy, laborer, house 108 West
 Salmon William, laborer, house 112 West
 SALSBUURY J. A. & CO., proprietors Central House, Merchants row corner, Evelyn [see adv.]
 Salsbury Mell L., clerk, Central House
 Sampson F. H., drug clerk, boards A. W. Higgins, Grove
 Samson A., employee, R. M'fg. Co., boards 21 Wales
 Sanderson A. Everts, hatter, house 58 Forest

Sanderson Ellis, clerk, house 58 Forest
 Sanderson Allen, deputy sheriff and jailer, 126 Main
 Sands James, peddler, house 26 Forest
 Sargeant George F., painter, house 33 Perkins avenue
 Sargeant Henry W., mechanic, boards Stevens House
 Sargeant Lizzie Miss, teacher, boards 5 Church
 Sawyer Henry A., paper warehouse and stationer, 14 Merchants row, boards J. M. Putman's
 Sawyer Palmer S., traveling agent, house 13 Pine
 Scanlan Patrick, laborer, house 20 South
 Schryver Wm. H., boilermaker, house 54 Washington
 Seager Charles W., mason, house 8 East
 Seaver Anna Maria Mrs., house 65 Main
 Seaver Emily Miss, house 65 Main
 Sessions Frank, master carbuilder, boards Bates House
 Seward Henry, baker, boards 46 Center
 Seymour Mary Miss, circulating library, 27 Center, h. do.
 Shattuck Frederick A., mason, house 9 Terrill
 Shaver John H., tanner, house 8 Main
 Shaw Frederick, farmer, house 17 North
 Shedd John G., clerk, boards Grove corner Spring
 Sheldon Archie L., boards 54 Center
 Sheldon Charles, marble dealer, house 54 Center
 Sheldon John A. (Sheldon & Slason), house 89 Main
 Sheldon Mary L. Miss, boards 54 Center
 SHELTON & SLASON, wholesale marble dealers, West Rutland [see back cover]
 Sheridan Michael, painter, house 118 West
 Sheridan Stephen, sawyer, house 120 West
 Sherman Elihu, house 18 East
 Shields Edward, carpenter, house 14 Green
 Shippey George D., engineer, V. C. R. R., house 11 West
 Shippey John C., clerk, house 88 West
 Shortsleeve David, machinist, house 86 West
 Shortsleeve Louis, laborer, house 9 Green
 Shortsleeve Peter, teamster, house 2 Green
 Shotto Edward, cook, house 7 Chestnut
 Silloway Charles W., engineer, house 54 Forest
 Silver Toney J., hairdresser at 25 Center

The Estey Cottage Organ, at CLUETT &

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RUTLAND DIRECTORY.

Simons N. P., attorney and counsellor at law, 4 Bank building, house 11 Cottage
 Simpson James, fireman at Bates House
 Simpson Miles, peddler, house 3 Union
 Slater O. L. (White & Slater), house 6 Cottage
 Slattery John, coppersmith, house 28 Forest
 Slattery John, yardman, house 25 Franklin
 Slattery Timothy, laborer, house 46 Forest
 Sloan John, grocer, 8 Center, house West
 Slocum Volney P., house 57 West
 Smith A. B., agent, house 52 Washington
 Smith Abiel L., toolmaker, Howe near R. M'fg. Co., house Mineral
 Smith Charles E., laborer, house 4 Pearl
 Smith George, house 2 West
 + Smith Henry H., county clerk, house 37 Main
 Smith Isaac L., carpenter, house 3 School
 Smith James C., carmaker, house 4 Pearl
 Smith James E., hairdresser under Central House, h. 92 Main
 Smith James H. carmaker V. C. R. R., house 18 Howe
 Smith Jerome, fireman, house 9 Elm
 Smith John, teamster, boards 26 Woodstock avenue
 Smith Ralph, teamster, house 7 Spring
 Smith Richard W., meat market, 3 Grove, house 2 Pine
 Smith Timothy, teamster, house 79 West
 Smith Warren H., lawyer, Union block, house 5 Pleasant
 Smith Willard M., teamster, house 10 Park
 Smith Willis J., brakeman, house 3 School
 Suow Clarinda Mrs., house 2 Willow
 Snyder Eugene, woodsawyer, house 13 Main
 Snyder Frank, employee Rutland M'fg. Co., house 74 Forest
 Snyder Julius, laborer, house 70 Forest
 Southgate Charles, bridge builder, boards 23 Washington
 Southwick Edward S., carpenter, house 6 Court
 Sossor John, house 1 Summer
 Southard Lent F., painter, house 34 Grove
 Southard Theodore, blacksmith, house 11 Terrill
 Southgate Lottie Miss, clerk, boards 18 Washington
 Spaulding & Co., books, stationery and fancy goods, Clarks

SONS, 261 River Street, Troy. See page 2.

RUTLAND DIRECTORY.

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Spaulding Dolly Mrs., house 34 West
 Spaulding George, fireman, house 65 West
 Spaulding John, teamster, house 79 Main
 Spaulding John B., house 23 Forest
 Spaulding John P. (Spaulding & Co.), house 14 West
 Spaulding J. R., peddler, house 79 Main
 Spaulding Martin, tanner, house 14 West
 Spaulding Mrs., widow, house 97 Forest
 Spaulding Nahum W., employee V. C. R. R., house Cherry corner Forest
 Spaulding Richard M., teamster, house 26 Woodstock avenue
 Spear Lucas, teamster, house 65 West
 Spencer A. F. Mrs., house 17 Grove
 Spencer Charlotte Miss, dressmaker at Miss Hathorn's, boards 34 Washington
 Spencer George M., carmaker, house 15 Meadow
 Spencer George D., house Perkins avenue corner Pearl
 Squire William, mason, house 12 Wales
 Squires E. H., teamster, house 12 Woodstock
 Stafford J. E., agent Singers sewing machines, 17½ Merchants row
 Stacy Frank W. conductor V. C. R. R., house 94 Main
 STALEY S. G., stoves, tinware, and house furnishing goods, also gas and water fitting, 37 Center, house 9 Pleasant
 Stanley J. D., conductor, R. & S. R. R., house 22 Cottage
 Staples Charles H., teamster, house 5 Wales
 Starr Timothy, helper, house 22 Granger
 Steam Stone Cutter Company, 90 West
 Stearns Artemas R., clerk, boards 31 Merchants row
 Stearns & Chaplin, bakers and confectioners, 28 Center
 Stearns Ephraim L., engineer, house 6 Elm
 Stearns Isaac, butcher W. H. Dunton, boards 7 Pine
 STEARNs J. W., furniture, West corner Grove, and grocer 26 Merchants Row, millinery and fancy goods, Clarks block, boards Central House
 Stearns Luke, (Stearns & Chaplin), house 16 Grove
 Stearns N. S., house 60 Center
 Steele William Mrs., dressmaker, 41 Center
 Stevens House, Center street

The Beautiful low-priced Haines Piano, at

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RUTLAND DIRECTORY.

Stevens L. A. Mrs., boarding house, 11 Merchants row
Stevenson Michael, laborer, house Strong's avenue opposite Hopkins

Stewart George W., conductor, house 10 Elm

Stewart John, house 10 Elm

Stiles L. M., agent, house 71 Grove

Stimson Charles L. (Mansfield & Stimson), house Church

Stinson J. E., engineer, V. C. R. R., house 2 Maple

St. John David, laborer, house 19 Elm

St. Lawrence Julius, carpenter, house rear 5 Willow

Stockwell Albert M., tinsmith, house 24 Forest

Stockwell Clarence A., tinsmith, boards 62 Forest

Stockwell James, employee R. M'fg. Co., house 65 West

Stone Charles, laborer, house 4 Union

Stone Henry, laborer, house 4 Edson

STONE HENRY H., billiards, 28 Merchants row, house 6 Willow

Stone Moses, plasterer, house 91 Forest

Storms John D., machinist, house 13 Summer

Stratton Asa, farmer for Frederick Chaffee

Stratton Jane Mrs., house 4 Terrill

Strong John, insurance and real estate agent, 3 Bank block, house 140 Main

Strong Sarah J. Mrs., widow, house 1 Green

Stuart Patrick, laborer, house 12 Green

Stuart William, watchmaker, house 17 Green

Sullivan John, laborer, house east of fair ground

Sullivan Martin, laborer, house 29 South

Sullivan Timothy, laborer, house 22 Woodstock avenue

Sullivan Timothy, laborer, house 119 West

Swain Helen M. Mrs., house 6 Forest

Sweet Terence, blacksmith, house 21 Howe

Sweet Stephen, speculator, boards Stevens House

Sweeny Timothy, carpenter, house 9 Elm

T

Talbot William, laborer, 6 Merchants row

Taylor Charles M., machinist, house 25 Elm

Taylor Charity Mrs., house 100 Main

CLUETT & SONS, 261 River St., Troy. See p. 2.

RUTLAND DIRECTORY.

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Taylor James L., hairdresser, in depot, house 11 River

Taylor Thomas, employee, W. Y. W. Ripley, 48 West

Teasdale Charles, architectural sculptor, house 75 West

Tebeau Louis, laborer, house 5 Green

Temple C. E. Mrs., house 61 Main

Temple E. L. (Burnham & Temple), house 6 Court square

Temple Edward L., boards 6 Court square

Terrill Abner T., machinist, house 4 Pine

TERRILL SAMUEL, carriagemaker, West corner Wales, house 5 Terrill

Thayer S. T., agent, C. H. Hobby, Kingsley & Spragues block

Thebault Matthew, ostler, house 25 Center

Thompson Adin, boot m'fg., 6 Freight, house 2 Pine

Thompson Adin, jr., clerk, A. Thompson, boards 2 Pine

Thompson Edward, clerk, Adin Thompson, boards 1 Pine

Thompson John M., bootmaker, boards 2 Pine

Thornton Jeremiah C., grocer, house 4 East

Thornton M. K. Miss, milliner, 13 Washington, house do.

Thomas Samuel B., laborer, house 3 Woodstock avenue

Thrall George C., farmer, house 19 Main

Thrall Reuben R., attorney and counsellor at law, Union block, house 17 Woodstock avenue

Thrall Wm. B., engineer, V. C. R. R., h. 17 Woodstock av.

Tierney Patrick, laborer, house on the railroad above Park

Todd Charles, painter, house south end of Main

Todd John F., laborer, house 37 Forest

Todd Roel, farmer, house south end of Main

Toohy Thomas, laborer, house Strong's avenue n. Hopkins

Toomey Patrick, laborer, house east of fair ground

Tossing Mathias, gardener, house 34 Wales

Tower George W., milkman, house 2 Park

Tower William W., stonecutter, house 15 Willow

Townsend Charles G., clerk, H. Weeks, house 6 Church

Travis Bernard, baker, house 99 West

Travis John, laborer, house 6 Meadow

Travitt Patrick, laborer, house 107 West

Trombley Frank, shoemaker, house 1 Willow

Trudeau Charles, blacksmith, 136 Main

The Bradbury Piano, at the Tem-

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RUTLAND DIRECTORY.

Truell James H., machinist, V. C. R. R., house 19 Pine
 Tucker Robert, call boy at Central House
 Tufts Charles F., engineer, R. & B. R. R., house 23 Elm
 Tuliper Edwin, engineer, R. & S. R. R., house 6 Willow
 Tully Bridget, widow Michael, house 41 South
 Tuttle A. H. (Tuttle & Co.), house 20 Washington
 TUTTLE & CO., booksellers, stationers, etc., also publishers and proprietors of the Daily and Weekly Herald, Herald block, 11 Center
 Tuttle Egbert C., bookkeeper, Tuttle & Co., boards 34 Washington
 Tuttle George A. (Tuttle & Co.), house 34 Washington
 Tuttle H. C. (Tuttle & Co.), house 31 Washington
 Tyler Patrick, laborer, boards 3 Willow
 Tyler Shubel, blacksmith, house 10 Cain

U

Utley H. S. (W. D. Goodnow & Co.), b. M. L. Russell, Wales

V

Valiquette Benjamin, prop. Valiquette House, 61 West
 Valiquette Edward, plumber, house 25 Pine
 Valiquette John, shoemaker, house 2 Freight
 VALIQUETTE LOUIS, boots and shoes, 13 Merchants row, house 25 Pine
 Valiquette Louis, jr., clerk, L. Valiquette, b. 13 Merchants row
 Varney John E., engineer, house 45 Grove
 Veazey Wheelock G. (Dunton & Veazey), house 13 West
 Verder Daniel, bakery, 46 Center, house Grove
 Verder George H., baker, boards West
 Verder Herbert, bookkeeper, boards Stevens House
 Vincent Carlos, brakeman, house 17 Elm
 Vincent Joseph, printer, "Herald," house 99 West
 Vincent Joseph, laborer, house 17 Elm

W

Waddell William, moulder, house 5 Wales

ple of Music, Troy. See page 2.

RUTLAND DIRECTORY.

55

Walcott William, mason, house Pine corner Mineral
 Walker George C., farmer, house 5 William
 Walker Joseph F., hairdresser, 25 Center
 Walker W. C., carpenter, house 11 East
 Walker W. J., traveling agent, boards 21 Wales
 Waller E. A., Mrs., house 8 West
 Ward Henry J., employee R. M'fg. Co., house 9 Pine
 Wardwell G. J., supt. Steam Stone Cutter Co., house 19 Wales
 Wardwell John, machinist, house 53 West
 Wardwell Wm. S., carpenter, house 5 Grant avenue
 Ware George, mason, house 12 Main
 Warner Darwin, employee R. M'fg. Co., house 40 Forest
 Warren Amos W., clerk, house 2 Perkins avenue
 Warren Geo. H., clerk, M. M. Albee's, boards Eagle dining rooms
 Warren George W., clerk at 37 Center
 Warren Zenas C., traveling agent, house 68 West
 Washburn William W., carpenter, 7 Merchants row, house 144 Main
 Waters Bridget Mrs., house 11 West
 Waters Hiram, bridge builder V. C. R. R., house 14 Howe
 Waters Michael, laborer, house 50 Green
 Watkins & Cady, clothing, boots, shoe, and furnishing goods, 16 Merchants row
 Watkins F. W. (Watkins & Cady), boards Bates House
 Watkins Harlan, boards 23 Grove
 Weatherly C. E., conductor R. & W. R. R., h. 20 Grove
 Webster James, printer "Herald," boards 23 Washington
 Webster J. E. Mrs., Cramtons block, house do.
 Webster L. W., tinsmith, boards Stevens House
 Webster William, clerk Bates House
 Weed Mary E. Mrs., house 77 Main
 Weeks Henry S., clerk N. Weeks, house 6 Maple
 WEEKS NEWMAN, house furnishing goods and paper hangings, 16 Merchants row, house 15 Cottage
 Weeks Robert N., clerk N. Weeks, boards 15 Cottage
 Welch John, helper, house 56 Forest
 Welch Mary, widow John, house 56 Forest

The Decker Brothers Piano, at CLUETT &

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RUTLAND DIRECTORY.

Welch Thomas, laborer, house 24 Furnace
 Wells John S., music teacher, house 3 Summer
 Welsh John H., chairmaker, house 91 West
 Welsh Michael, laborer, house 60 Green
 Welsh Michael, laborer, house on the railroad above Park
 Welsh William, laborer, house on the railroad north of Park
 Westcott Geo. W., mechanic, house Park beyond the railroad
 Western Union Telegraph Company, Railroad depot
 Wheeler Hoyt H., judge of supreme court, b. Bates House
 Whitecomb Charles D., tinsmith, boards 62 Forest
 Whitecomb Daniel, livery, boarding stables, and carriage
 repository, 24 Center, house 15 Wales
 Whitecomb Ephraim, teamster, house 62 Forest
 Whitecomb Lysander L., carpenter, house 30 Meadow
 Whitecomb Varnum V., clerk Stevens House, h. 4 Edson
 Whitecomb William M., truckman, house 90 Main
 White Alonzo, watchman, house 9 Church
 White Charles H., sawyer, boards 9 Church
 WHITE D. M. & CO., lumber and grain dealers, near rail-
 road depot, house 70 West
 White Elwin H., jeweler, boards Eagle dining rooms
 White George F. (White & Slater), house 3 Summer
 White Levi, teamster for E. D. Keyes & Co.
 White & Slater, proprietors Rutland Monumental Works, 86
 and 88 West
 White Stillman C., boards 92 Main
 Whiting Abraham, employee V. C. R. R., house 57 Forest
 Whitley Patrick, laborer, house rear Round House
 Whitney Porter, house 191 Grove
 Whitney S. P., baggagemaster, house Grove
 Whitney Sanford W., conductor R. & B. R. R., h. 13 Willow
 Whittier Henry, machinist, boards 1 Wales
 Wickes Henry, clerk, boards 6 Maple
 Wilder Frank A., conductor H. E. R. R., boards 55 West
 Wilder Lucinda A. Mrs., house 55 West
 Wilkins Arthur, teamster, boards 26 Woodstock avenue
 Wilkins Leverett, house 5 William
 Wilkins Warren, peddler, boards 8 Willow
 Williams A. B., musician, house 9 Chestnut avenue

SONS, 261 River Street, Troy. See page 2.

RUTLAND DIRECTORY.

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Williams Alvin H., carpenter, house 68 West
 Williams Cyrus, laborer, house 102 Main
 Williams C. K., editor "Herald," house 20 Cottage
 Williams Edgar, teamster, boards 26 Woodstock avenue
 Williams Huldah Mrs., 27 Center
 Williams Joseph B., employee Rutland Mfg. Co., house 21
 Forest
 Williams Lucy G. Mrs., house 70 Main
 Williams Moses ostler, boards George Richardson's
 Williams Orthniel, cabinet maker, house 68 West
 Williams Samuel, assistant treasurer V. C. R. R., boards
 Bardwell House
 Williams Samuel P., house 95 West
 Willis, —, freight clerk, boards 21 Wales
 Willis George, carpenter,
 Wilson Frank, leader Rutland band, house 6 Pine
 Wilson Robert, mason, house 97 Main
 Wilson Z. V. K., assistant superintendent R. & S. R. R., h.
 41 Grove
 Wing C. P. (Cumming & Wing), boards Bates House
 Winn J. Morgan, painter, house 12 Perkins avenue
 Winn Thomas, conductor, house 98 West
 Winslow William P., clerk National Bank of Rutland, boards
 Main
 Winters Thomas, house 177 Main
 Wood Aaron S., carmaker, house 4 Howe
 Wood Charles, ostler, boards Bates House
 Wood Elbridge, laborer, house 97 Main
 Wood E. H., piano tuner, house 39 Center
 Woodard Curtis, machinist, house 12 Park
 Woodfin John N., teller National Bank of Rutland, boards
 109 Main
 Woodhouse Charles, physician, 31 Grove, house do.
 Woodward Maitland, butcher, boards Central House
 WOOLLEY & LEWIN, tobaccoists and segar dealers, 27
 Center
 Woolley B. H. (Woolley & Lewin), house 46 Center
 Wooster Charles H., clerk Franciscos insurance agency, b.
 8 Church

A Complete Musical Emporium, the Temple of

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RUTLAND DIRECTORY.

Wooster Orlando, storekeeper V. C. R. R., house 8 Church
Worthing Rodney, teamster, house 20 North
Wright E. E. Miss, fancy goods and dressmaker, 43 Merchants row, boards 23 Forest
Wright Joseph, carpenter V. C. R. R., house 17 River

Y

Young Charles E., expressman, house 6 Prospect
Young Edwin F., sashmaker, boards 7 Summer
Young George L., fireman R. D of V. C. R. R., house 13 Washington
Young Lafayette, superintendent Columbian Marble Works, house 43 Grove
Young Mens Christian Association, Bank block
Young William W., mason, house 13 Washington

Z

Zottman Guy C., carpenter, house 13 Meadow
Zottman John, machinist, house 13 Meadow

Music, 261 River Street, Troy. See page 2.

BUSINESS DIRECTORY.

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RUTLAND BUSINESS DIRECTORY.

Manufacturing and Incorporated Companies.

RUTLAND MANUFACTURING COMPANY; president J. C. Dunn; agent, L. Atwood; clerk and treasurer, Gershom O. Ruggles
STEAM STONE CUTTER COMPANY; president, J. W. Gramton; treasurer, George E. Royce; secretary, Chas. Clark; superintendent, George J. Wardwell [see front inside cover]
Eagle Foundry and Machine Works, Mansfield and Stimson, proprietors, general machinists and founders, near railroad depot [see front colored page]
Rutland Foundry and Machine Shop Co., Joel B. Harris, agent, car wheels a specialty, Furnace near depot
THOMAS ROSS & CO., general machinists and iron founders, 92, 94 and 96 West [see opposite machinists and founders]

Agricultural Implements.

Landon & Huntoon, Freight corner Evelyn

Auction and Commission.

Goodnow W. D. & Co., 5 Grove
Remington John H. (real estate), 14 Pine

Bakers and Confectioners.

Howe Henry S. (confectionery only), 61 Merchants row
Stearns & Chaplin, 28 Center
Verder Daniel, 46 Center

Banks.

Baxter National Bank, H. Henry Baxter, President
National Bank Rutland, J. B. Page, President
Rutland County National Bank, Wm. Y. Ripley, President
Rutland Savings Bank, Luther Daniels, President

Billiards.

BATES HOUSE, Merchants row corner Center
STONE HENRY H., 28 Merchants row

Bookbinders.

Tuttle & Co., 11 Center

Booksellers and Stationers.

Meeker J. B. (stationery only), 25 Merchants row
Spaulding & Co., Clarks block

Blacksmiths and Horseshoers.

Gibson Joseph E., 136 Main
Long Clark, 26 Wales
Miner Levi, 11 Woodstock avenue

Boots and Shoes.

Albee M. M., 25 Center
CURRIER O. W., 6 Merchants Row
Duie Mac, 39 West
Henry Sylvester, 3 Pine
LAPOINTE L., 26 Center
Morgan & Co., 15 Center
RUTLAND BOOT AND SHOE CO., 8 Merchants row
Valiquette Louis, 13 Merchants row
Watkins & Cady, 16 Merchants row

Carriagemakers.

Gibson Joseph E., 136 Main
Terrill Samuel, West corner Wales

Carpenter and Builder.

Perkins Moses J., 18 Main

Cement Drain Tile.

RIPLEY SONS, Center Rutland [see back cover]

Chair Manufacturers.

Rutland Manufacturing Co., 89 West

Clergymen.

Boylan Charles J. (R. C.), 14 Meadow
Cardinol Harvey (R. C.), 6 Lincoln avenue
Hall M. Barnes (M. E.), house 30 Grove
Harris William J. (P. E.), 28 West
Johnson J. Gibson (Cong.), 87 Main
Mills Edward (Bap.), 25 Washington

Clothing and Gents' Furnishing Goods.

Kingsley Henry W., 9 Merchants row
Jerkowski Marcus, 5 Center
Livermore & Co., 27 Merchants row
McCall W. W., 55 Merchants row
Peck & Benjamin, 19 Center
Watkins & Cady, 16 Merchants row

Coal Dealer.

Davis A. F., 8 Freight

Dentists.

HARWOOD E. V. N., Merchants row corner West
KILBURN A., Kingsley and Spragues block
LAWTON LEWIS T., 4 Merchants row

Dress and Cloak Makers.

Chittenden E. A. Mrs., 19 Merchants row
Dussault Matilda L., 13 Merchants row
Fillmore L., 37 Center
Furman L. A. Mrs., Cramtons block

The Steinway Piano, at CLUETT & SONS,

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BUSINESS DIRECTORY.

HATHORN A. M., 6 Union block [see adv.]
Parker R. M. Mrs., Clarks block
Rollins C. V. Mrs., 1 Grove
Steele Wm. Mrs., 41 Center
Webster J. E. Mrs., Cramtons block
Wright E. E. Miss, 43 Merchants row

Druggists.

Cumming & Wing, 45 Merchants row
Fenn F. & Co., 13 Center
Graves George E., Union block
HIGGINS A. W., 41 Merchants row [see adv.]
LEWIS E. C., Merchants row corner West
Lyston Edward, 3 Center
Paige & Crooks, 7 Merchants row

Dry Goods.

Burt Benjamin H., 31 Merchants row
Hilliard G. W., 37 Merchants row
Kilburn J. B., 17 Center [see adv.]
Kinsman & Ross, 3 Merchants row
Owen W. H. B., 73 Center
Palmer George H., 29 Merchants row
Parkhurst Charles A., 33 Merchants row
Ridlon E. F., 43 Center

Expresses.

National and United States and Canada, depot building

Fancy Goods.

Ashmun S. R., 29 Merchants row
Fenn F. & Co., 13 Center
French & Barrows, 5 Merchants row
KILBURN J. B., 17 Center [see adv.]
Mower A. Miss, 19 Merchants row
Wright E. E. Miss, 43 Merchants row

Flour Dealers.

Landon & Huntoon, Freight corner Evelyn
Ripley Sons, Rutland Center [see adv.]

261 River Street, Troy. See page 2.

BUSINESS DIRECTORY.

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Furniture Dealers.

Gilson Thomas, 21 Merchants row [see adv.]
Kingsley Levi G., 18 Merchants row [see adv.]
Stearns J. W., West corner Grove [see adv.]

Grocers.

Billings B. & D., 67 Merchants row
Blaisdell A. C., 29 Center
Caden J. & T., 4 Freight
Carpenter Cyrel, 115 Main
Cook John, 44 Center
Glynn James E., 23 Merchants row
Hayward S. & Co., 13 Washington
Hunter Peter, 6 West
KEYES E. D. & CO. (wholesale), Evelyn c. Merchants row
Kingsley Chester, 28 Merchants row
LYSTON & COSTELLO, 23 Center
McLaughlin James, 95 Main
Maccabee Joseph, 39 Forest
Marshall Benjamin W., 16 Cottage
MUSSEY WILLIAM B., 11 Merchants row [see adv.]
Owen W. H. B., 73 Center
Perkins Charles F., 12 Wales
Root Charles, Cherry corner Forest
Ryan William, 1 Wales
Sloan John, 8 Center
Stearns J. W., 26 Merchants row [see adv.]

Gun and Locksmith.

Edgerton Philip, rear 20 West [see adv.]

Hardware and Cutlery.

Kingsley Levi G., 18 Merchants row [see adv.]
Landon & Huntoon, Freight corner Evelyn
Owen W. H. B., 73 Center

Hairdressers.

DAVIS GEORGE M., 23 Merchants row

GRUBB HENRY P., 71 Merchants row
Lisbon J. J., 97 Main
Smith James E., under Central House
Taylor James L., V. C. R. R. depot

Harness and Saddles.

Burt D. G., Center
Lease W. H., 41 Center
Mulcahe John, 104 Main

Hats, Caps and Furs.

Hilliard George W. (furs only), 37 Merchants row
Jerkowski M., 5 Center
Kingsley Henry W., 9 Merchants row
Livermore & Co., 27 Merchants row

Hoop Skirt Manufacturing.

Washburn M. J., 7 Merchants row

Hotels.

Bates House, M. Quinn, Merchants row corner Center
Bardwell House, J. C. Cramton, opposite depot [see adv.]
Central House, Salsbury & Co., Merchants row cor. Evelyn
[see adv.]
Stevens House, C. F. Richardson, Center street
Valiquette House, L. Valiquette, 61 West

House Furnishing Goods.

Dunn & Cramton, 12 Merchants row
Gilson Thomas S., 21 Merchants row
Weeks Newman, 16 Merchants row

Insurance Agents.

BURNHAM & TEMPLE, Opera House block [see adv.]
Cushman W. W., Kingsley and Sprague's block
FRANCISCO M. J., Union block [see adv.]
Granger C. H., 3 Union block
Hill Sidney S. & D. H. Meacham, general agents for Conn.
Mutual and The Guardian Life Ins. Co., office 2 Union
block

Mead S. M., Union Mutual Life, 2 Bank block
MEYERHOFFER V. C., manager of Hartford Life and
Annuity Ins. Co., Bank block
Nye Henry W., 2 Merchants row
Porter H. W., 6 Bank block
Strong John (also real estate), 3 Bank block

Lawyers.

BAKER JOEL C., 5 Union block [see adv.]
DUNTON & VEAZEY, 9 Merchants row
EDGERTON & NICHOLSON, 9 Merchants row
JOYCE CHARLES H., Cramtons block
LAWRENCE GEORGE A., Kingsley's & Sprague's block
[see adv.]
MONAGHAN H. B., 3 Union block
Prout John, 5 Bank building
Simons N. P., 4 Bank block
SMITH W. H., 8 Union block
Thrall Reuben R., Union block

Livery Stables.

Richardson George, 4 Wales
LYON & QUIN, entrance on Center st. and Merchants row
Whitcomb Daniel, 24 Center

Leather Belting.

Landon & Bates, Bates House block
Mansfield & Stimson, near Depot

Leather and Findings.

Morgan & Co., 15 Center

Lumber Dealers.

Edson M. & H. O., 49 West
White D. M. & Co. (also grain), near R. R. depot
6*

The Beautiful low-priced Haines Piano, at

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BUSINESS DIRECTORY.

Machinists and Founders.

EDGERTON PHILIP, rear 20 West [see adv.]
MANSFIELD & STIMSON, Union opposite Railroad Car
Shop [see adv.]
ROSS THOMAS & CO., 92, 94 and 96 West [see adv.]
Rutland Foundry and Machine Shop Co., Furnace

Marble Dealers, Wholesale.

Columbian Marble Co., 120 West
RIBLEY SONS, Rutland Center [see adv.]

Marble Works.

Oliver W. N., 77 West
White & Slater, 86 and 88 West

Meat Markets.

Brown Nelson, 62 West
Dyer Alonson, 10 West
Hayward & Co., 13 Washington
Perkins Charles F., 10 Wales
Smith Richard W., 3 Grove
Stearns J. W., 26 Merchants row

Milliners.

(See also *Dressmakers.*)

Ashmun S. R., 29 Merchants row
Foster M. J. Mrs., 19 Merchants row
STEARNS J. W., Clarks block [see adv.]
Thornton M. K., 13 Washington

Music and Musical Instruments.

MEEKER J. B., 25 Merchants row
MERRIAM E. N., 19 Merchants row

Music Teachers.

Hathaway John B., 127 Main
Mietzke George A., 28 Grove
Wells John S., 3 Summer

CLUETT & SONS, 261 River St., Troy. See p. 2.

BUSINESS DIRECTORY.

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THOS. ROSS & CO.,

Iron Founders and Machinists,

RUTLAND, VT.,

LIGHT AND HEAVY CASTINGS

Of every description furnished at short notice.

Marble Mill Machinery a Specialty.

The latest and most approved styles of

MERRIMAN'S PATENT GANGS, Ross & Graham's Patent Take up Nut.

STEAM ENGINES MADE AND REPAIRED.

A Large Stock of PATTERNS on hand, embracing patterns for

DERRICKS, HOISTING MACHINES, GEARING, PULLEYS, &c.

Shafting of all lengths and sizes furnished.

SAW AND GRIST MILL WORK MADE AND PUT UP.

PROPOSALS MADE FOR MACHINERY
Of Every Description.

Orders Respectfully Solicited.

THOS. ROSS.

C. H. FORBES.

For any variety of Musical Goods, call at **CLUETT**

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BUSINESS DIRECTORY.

Newspapers, Book and Job Printers.

Rutland Courier, John Cain, editor, 1 Merchants row
Rutland Herald (Daily and Weekly), Tuttle & Co. Publishers, 11 Center
Rutland Independent, James K. McLean, editor, 14 Merchants row

Paper Dealer.

Sawyer Henry A., 14 Merchants row

Paper Hangings.

Tuttle & Co., 11 Center
Weeks Newman, 16 Merchants row

Painter, House and Sign.

Foss Henry A., 97 Main

Photographers.

Merrell J. O., Merchants row corner West
Nichols C. W., 21½ Center
Prichard H., 17 Center

Physicians and Surgeons.

Adams Charles F., 38 Grove
Allen Charles L., 41 Merchants row
Clarke H. E., 17 Center
Clarke O. H. E., 17 Center
Cook Orel, Main
Hanrahan J. D., office 3 Center
Haynes Backus H., 34 West
Jewett Mary B. Mrs., 2 East
Martin A. C. Mrs., 21 Wales
Meacham D. H., 2½ Union House
Mead John A., 22 Washington
Paul George, 33 West
Pond E. A., Union block and 114 Main
Pierce Henry H., Union block

& **SONS**, 261 River Street, Troy. See page 2.

BUSINESS DIRECTORY.

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Porter Cyrus, 6 West
Porter Henry W., 1 Porter avenue
Ross James, 107 Main
Woodhouse Charles, 31 Grove

Piano Tuners.

McClure E. C., 39 Center
Merriam E. N., 19 Merchants row
Wood E. H., 39 Center

Picture Frames.

Dunlap John H. T., 8 Merchants row

Pictures and Picture Frames.

Merriam E. N., Merchants row

Plumbers and Gasfitters.

Dyer Henry R., 15 Merchants row
Lippincott Ion, Center opposite Stevens House

Produce Dealer.

Davis Albert F., 8 Freight

Restaurants and Saloons.

Eagle Dining Rooms, G. R. Barker, proprietor, 7 Center
FISHER CHARLES M., West c. Merchants row [see adv.]
FISHER JOSEPH W., 33 Merchants row [see adv.]
Howard Alfred R., railroad depot

Sash, Doors and Blinds.

Edson M. & H. O., 49 West,
Cross O. T., Evelyn

Sewing Machines.

Cook John W. (Howe), Center corner Wales [see adv.]
Hobby Charles H., Kingsley & Sprague's Block
Merriam E. N., 19 Merchants row
Stafford John E., 17½ Merchants row

Stoves and Tinware.

Dunn & Cramton, 12 Merchants row [see adv.]
Ryan P. S., 21 Center
Staley S. G., 37 Center

Stone Cutters.

STEAM STONE CUTTER CO., 90 West [see adv.]

Tailors.

Fagan Peter, 27 Merchants row
Quilty John, 23 Washington
Oney David, 25 Center

Tanners.

Graves George & Son, 4 Court Square

Telegraph.

Western Union Telegraph Company, railroad depot

Tobacconists.

Woolley & Lewin, 27 Center

Undertaker and Upholsterer.

Gilson Thomas S., 21 Merchants row [see adv.]

Watches and Jewelry.

Adams H. E., 9 Center
Bailey & Parmenters, 17 Merchants row
Chase Ben. K. & Co., 25 Merchants row
Clark Bros. & Marshall, Merchants row corner West

STREETS, LANES, AVENUES

IN

RUTLAND.

BROOK STREET.—Running northerly from Cain street to Tanyard creek.

BROWN STREET.—West of Granger street and running from Franklin due south to the village limits.

CAIN STREET.—Running westerly from Grove street to Baxter street.

CENTER STREET.—Commencing at Main street, running from near the center of the said street west to the depot.

CHENEY STREET.—Situated in the southwest part of the village called Nebraska, commencing at Franklin street and running northwest to Forest.

CHESTNUT AVENUE.—Situated at the extreme north end of the village, commencing at William street nearly opposite to and nearly continuing to Cottage street.

CHURCH STREET.—Commencing near the center of West street on the north, at the Episcopal church, and running north to William street.

COTTAGE STREET.—One street west of Church street, commencing at West street and running north to William street.

COURT STREET.—Commencing at West street on the south and running south by the United States Court House and Bank of Rutland to Washington street.

EAST STREET.—Situated at the extreme east part of the village, east of the County Court House, and commencing at Green street on the north and running north to Terrill street.

EDSON STREET.—Commencing at West street on the south,

nearly opposite Cottage street, and running south to Willow street.

ELM STREET.—Commencing at West street on the north, and running north to William street.

EVELYN STREET.—Commencing at West street on the south, nearly opposite to the Methodist church, and running south to the depot park.

FOREST STREET.—Commencing at West street on the south, opposite to the village cemetery, and running south to the limits of the village.

FRANKLIN STREET.—Commencing at the termination of Furnace street, and running southwest to Forest street.

FURNACE STREET.—Commencing at Union street, opposite to the furnace of Mansfield & Stimson, and running south to Franklin street.

GRANGER STREET.—Situated in rear of depot grounds, commencing at Franklin street and running south to the village bounds.

GREEN STREET.—Commencing at Main street on the east, opposite to the house of Mrs. Stroug, and running east to the village limits.

GROVE STREET.—Commencing at West street, opposite to, and continuing, Merchants row, due north and west of north to the village limits.

HIGH STREET.—Running easterly from No. 29 Main street.

HOPKINS STREET.—Commencing at Main street at the foot of the hill, at the extreme south end, and running west to Strong's avenue.

HOWE STREET.—Commencing at Forest street and running southeast to Franklin street.

LINCOLN STREET.—Commencing at West street on the north, nearly opposite to Court street, a little east of the house of M. G. Evarts, and running north to William street.

MADISON STREET.—Commencing at the south end of Main street, on the brow of the hill, and running west to Strong's avenue.

MAIN STREET.—Commencing at the extreme north end of the village and running south to the extreme south limits—

being the old stage road from Boston to Burlington—and comprising mostly the original village.

MAPLE STREET.—A short street at the northwest part of the village, running from near the center of Grove street to Summer street.

MEADOW STREET.—The extreme west street of the village, running from West street south to the extreme south line of the village limits.

MECHANIC STREET.—Commencing at the center of Forest street and running west to the village limits.

MERCHANTS ROW.—Commencing at near the center of West street, opposite to, and extending to Grove street, and running south to Strong's avenue.

MAIDEN LANE.—Running southerly from Cain street to Mineral street.

MINERAL STREET.—Running westerly from Pine street to East Creek.

NICKWACKET STREET.—Situated in the rear of the High School, and running from Center street south to Washington street.

NORTH STREET.—Running easterly from Grove street to Main street.

PEARL STREET.—Running southerly from Perkins avenue to North street.

PERKINS AVENUE.—Running easterly from Grove street to Main.

PINE STREET.—Commencing at West street on the north, a little east of the Village Cemetery, and running north to the village limits.

PLEASANT STREET.—Commencing near the center of Washington street on the south, and running south to Madison street.

PROSPECT STREET.—One street west of Pleasant street, and running south from Washington to Madison street.

RIVER STREET.—Commencing at Granger street, in the rear of the depot grounds, and running west to the village limits.

SCHOOL STREET.—Commencing in Forest street and runs west to Meadow street.

A Complete Musical Emporium, the Temple of

74

MISCELLANEOUS.

SOUTH STREET.—At the southwest part of the village, commencing at Forest street, and running west to the village limits, east to west.

STRONG'S AVENUE.—Commencing at the termination of Merchants row, and running diagonally southeast to the southern limits.

SUMMER STREET.—At the northwest part of the village, parallel with Grove street, from Maple to Spring street.

TERRILL STREET.—Commencing at Main street, opposite to West street, and running east to the limits of the village.

TURNPIKE STREET.—Commencing at Main street on the east, and running east to the village limits—being the old Rutland and Stockbridge turnpike.

UNION STREET.—An angular street, uniting Evelyn and Freight streets, and running to Forest.

WALES STREET.—Commencing at West street on the south at the foot of the hill, and running south across Center and Washington streets to Strong's avenue.

WASHINGTON STREET.—Commencing near the center of Main street, nearly opposite the Baptist Church, and running west to the depot park.

WEST STREET.—Commencing at Main street at Court House square, and running west to the village limits.

WILLIAMS STREET.—Commencing near the center of Grove street, and running east to Lincoln street.

WILLOW STREET.—Commencing at Wales street, between Center and West streets, and running west to Edson street.

Music, 261 River Street, Troy. See page 2.

BUSINESS DIRECTORY.

75

CENTER RUTLAND BUSINESS DIRECTORY..

Drain Pipe Manufacturers.

RIPLEY SONS, on V. C. R. R. [see back cover]

Flour and Feed Dealers.

RIPLEY SONS, on V. C. R. R. [see back cover]

Marble Dealers.

Clement & Son, on V. C. R. R.

RIPLEY SONS, on V. C. R. R. [see back cover]

For Piano Fortes or Organs, go to **CLUETT &**

WEST RUTLAND
BUSINESS DIRECTORY.

Blacksmiths.

Conway Daniel
CYR AUGUSTUS
Colligan Patrick
Peck George

Carpenters.

LaFornia Francis
Peanut Mitchell
Perry Peter
Proctor Stephen

Carriage Painter.

Cyr Augustus

Clergymen.

Bourne J. R., Congregational
Rogers Charles O., (R. C.)

Country Stores.

Battles James, opposite Depot
Brown H. H. & Co.
Gilmore W. R.
Howard Mary Ann
Woodward William

Druggist.

Morse Franklin A.

SONS, 261 River Street, Troy. See page 2.

Grocer.

Gorham Henry D.

Hairdresser.

Cleveland W. A.

Harnessmakers.

Allard William
Tuttle John

Hotel.

Barnes House, J. H. Hazelton, opposite Depot

Livery Stable.

Hazelton J. H., opposite Depot

Marble Dealers.

PARKER, GILSON & DEWEY
Pierce & Co.
Rutland Marble Co., J. N. Baxter, superintendent
SHELDONS & SLASON, [see back cover]
Sherman, Adams & Langdon, office at Castleton

Marble Mantel Works.

PRITCHARD, McNEIL & LANE, opposite Depot

Meat Market.

Thompson C. H.

Milliner.

Lyman Isaac Mrs.

Express.

National Express Company, at Depot

Physicians.

Cochran T. H.
Griswold S. G.
Sheldon Lorenzo

The Steinway Piano, at CLUETT & SONS,

78

BUSINESS DIRECTORY.

Shoemakers.

Bessett J.
Brodeur C.

Stoves and Tinware.

Newton Marcellus
Thompson C. A.

Tailor.

Burns Peter

W. U. Telegraph Co.

Leamy James, at depot

261 River Street, Troy. See Page 2.

BUSINESS DIRECTORY.

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**CASTLETON
BUSINESS DIRECTORY.**

Bank.

Castleton National Bank, capital \$50,000; president, C. S. Sherman; cashier, I. M. Guy

Booksellers and Stationers.

NORTHROP & SON, Oak Hall

Boots and Shoes.

Brandon & Smart
Loveland Alvin

Clergymen.

Francis Lewis (Cong.)
Phillips Jonas (M. E.)
Mathewson S. G. (Advent)
O'Reiley Charles (R. C.)

Country Stores.

Armstrong & Co.
Guernsey William C., Union block

Dentists.

FLETCHER TAYLOR B. [see adv.]
Smith A. G. W.

Druggists.

NORTHROP & SON, Oak Hall

Flour Dealers.

LANGDON & AINSWORTH

Grocers.

Proctor Carleton S., Union block

Smith Thomas P.

Hairdresser.

Strong John

Harness and Saddles.

Burt Benjamin W., Union block

Hotels.

LAKE BOMOSEEN HOUSE, S. T. Beach

Sanford House, Frank Sanford

Lawyers.

Bromley & Clark, Union block

Willard Cyrenius M., Union block

Livery Stables.

Patterson Francis

Sanford Francis

Marble Dealers, Wholesale.

Sherman, Adams & Langdon

Meat Market.

Barker Alonzo W., Union block

Milliner.

Sager Mrs.

Paints, Oils, Glass.

NORTHROP & SON, Oak Hall

Photographer.

BIBBINS WILLIAM [see adv.]

Physicians and Surgeons.

Burton Henry G.

Perkins Joseph

Sanford James

Smith A. G. W.

Stoves and Tinware.

Warner William S.

Tailor.

Harrington Josiah A., Union block

Watches and Jewelry.

Preston L. W., Union block

WHITEHALL BUSINESS DIRECTORY.

Agricultural Implements.

BULL S. C., Myer's block

Architect.

HOPSON A. C. (also carpenter), Williams above Saunders

Baker.

Nichols M. F. & Co., Canal near Division

Banks.

First National Bank, capital \$100,000; president, A. H. Griswold; cashier, W. M. Keith

Old National Bank of Rutland, capital \$100,000; president, H. G. Burleigh; cashier, E. W. Parker

Billiards.

DeLano George, Canal near Bellamy
Hurtubis Hubert, Canal corner Church
Kinney P., Canal opposite High

Bill Poster.

RENAUD HENRY, Clinton avenue near Center

Blacksmith.

Lotrace Charles H., Williams above Saunders

Boat Builders.

ADAMS J. H. & CO., Williams corner Wilson alley
Hannas William, Canal near Church

Booksellers and Stationers.

BROUGHTON J. R., Griswold's building
Manville O. A., Canal above Division

Boot and Shoe Dealers and Makers.

Baker, Paterson & Co., Anderson Hall
Feely John, Canal near Hall's Hotel
Gillighan H., Canal near Clinton avenue
KINDOLER ANTHONY, Canal near Hall's Hotel
Kirkland Edwin, Canal near Church
Provost Anthony, Canal near Clinton avenue
Schuyler Felix, Clinton avenue
Vayette Peter, Canal corner Division
Wait H. R., Iron Front block

Bowling Alley.

GLYNN JOHN, Canal above Division

Carpenters and Builders.

Jalet John, Williams
Hopson A. C., Williams

Carpets and Oil Cloths.

Wait H. R., Iron Front block

Carriagemaker.

VANNIER NORMAN, Williams near Wilson avenue



JOHN GLYNN,
BOWLING
ALLEY,
CANAL STREET,
WHITEHALL.

China and Glassware.

Bull Stephen C., Myers block
Hall G. A. & Co., Canal opposite Clinton avenue

Claim Agent.

Stowell Horace, Myer's building

Clergymen.

Hill Charles J., Saunders
Johnson C. A. (Baptist), Williams opposite Poultney
McDonnell J. J. (R. C.), Canal next Catholic church
McIwaine Jos. W., Williams, 3d below Wheeler avenue
Payette Antime Rev. (R. C.), Wheeler avenue above Skeen
Porter G. W. S. (M. E.), Church near Saunders

Clothiers and Merchant Tailors.

Davidson J. A., Canal near High
Goldring Julius, Myers block
GRAULICH PHILIP, Myers block
Wait H. R., Iron Front block

Dentists.

Eaton A. R., Griswold's building
Gilchrist John, Canal near Post Office
Smith William, Canal near Post Office

Druggists.

BROUGHTON J. R., Canal above Division
Corbett, Eddy and Kingsley, Canal near Clinton avenue
Long & Fenton, Canal opposite Post Office
Manville O. A., Canal above Division

Dry Goods.

Blakeslee J. V., Canal near Post Office
Chapin & Allen, Canal near Division
Gaylord H. T., Canal corner Clinton avenue
Parker J. H. H., Canal opposite Clinton avenue

Fancy Goods.

Irish S. M. Mrs., Myers block
Knight H. V. Mrs., Canal near Church
Mabbett T. G., Canal above Division
Prindle M. V. Miss & Co., Canal above Division

Fishing Tackle.

Buel J. T., Canal near Clinton avenue
Eddy & Kingsley, Canal

Flour and Feed.

Manville S. T. & Co., Canal opposite Post Office
Nye D. P. & Co., Williams corner Saunders
Sullivan J. H. & Co., Canal opposite High

Furniture.

Doren James, Williams above Saunders

Grocers.

Brazill Lafayette, Canal near Church
Butts W. D., Canal opposite High
Chapin Charles, Canal near Church
Clark John F., Canal near Post Office
Coffin U. H., Canal near Church
Farrington Bro's., Canal near Church
Gaylord H. T., Canal corner Clinton avenue
Gilligan Ambrose, Canal near Clinton avenue
MILLETT JOHN L., Canal corner Church
Nichols C. D., Canal corner Gilmore
Polley & Falkenbury, Canal corner Clinton avenue
Skeels H. B. & Co., Canal next to Post Office
Sullivan J. H. & Co., Canal opposite High
Russell T. J., Williams corner Middle Bridge
Tobin Richard C., Saunders corner Williams
Yule John, Canal near Bellamy
Warren Ferdinand, Canal above Division
Wood James M., Chapins block

Hairdressers.

MOORE GEORGE S., Griswolds building
Tatro Edgar, 2 Halls Hotel

Hardware and Cutlery.

BULL S. C., Myers block
Hall G. A. & Co., Canal opposite Clinton avenue

Harness and Saddles.

Miller L. F., Clinton avenue
Rich John J., Canal st.

Hats, Caps and Furs.

Baker, Paterson & Co., Anderson Hall block
Wait H. R., Iron Front block

Hotels.

Bartlett's Hotel, Canal opposite Post Office
HALL'S Hotel, John W. Hall proprietor, Canal
Lake House, C. S. Dill, Canal, corner Bellamy

House Furnishing Goods.

BULL S. C., Myers block

Insurance Agents.

BRISTOL A. G., Myers block [see adv.]
Doren & Earl, Williams, above Saunders
Lamb William F., Anderson Hall
Lamb William P., north end of Canal
Stowell Horace, Myers building
Watkins Julius A., north east corner Chapins block

Iron Founders.

Hjotsberg Franklin, Williams, under Grist Mill

Justice of the Peace.

SMITH JUSTIN A., Canal near Church

Lawyers.

GIBSON HENRY, Griswolds building [see adv.]
Hill D. D. W. O., over Post Office
House Samuel B., Canal near Hall's Hotel
Tefft William H., Griswolds building
Tanner & Potter, Renois building

Leather Dealer.

JILLSON S. G., Williams opposite Wilson alley

Lock and Gunsmith.

SELDEN ALONZO, Williams above Saunders

Lumber Dealers.

Burleigh H. G. & Bro., old National Bank building
Brett, Spooner & Co., over Post Office
Cooke A. P., Canal near South Bay
COOKE W. W. & SON, east side of Harbor
Davis, Percival & Griswold, Whitehall
Manville, Scribner & Co., Canal

Mason Builder.

PERO A., Skeen, near Wilson alley

Meat Markets.

Barr James, Canal near Post Office
Bellville Frank, foot of Canal
Carver Alfred, Canal near Hall's Hotel
Carver Stephen Jr., Canal opposite Catholic Church
Collins Orange, Chapins block
Nichols M. F. & Co., Canal near Division
Skeels H. B. & Co., Canal next to Post Office

Milliners.

Allen C. Mrs., over S. K. Griswold's, Williams
Doherty Mark Mrs., Williams above Saunders
McClenchy Sarah M. Miss, Canal above Division
Wilson L. Mrs., Williams corner Middle Bridge

A Complete Musical Emporium, the Temple of

88

BUSINESS DIRECTORY.

Newspapers and Printers.

Washington County News, Saunders corner Church
Whitehall Times, Walter Donnelly, editor and proprietor,
Canal corner Division

News Room.

Adams Cullen C., Hall's Hotel

Nurseryman.

Bacon Ezra, Griswolds building

Ornamental Hair Work.

MOORE GEORGE S., Griswolds building

Photographer.

Adams Curtis W., Canal opposite Adirondack Springs

Painter.

HURTUBIS JOSEPH, Williams above Saunders

Physicians and Surgeons.

Belden A. P., Canal opposite Adirondack Spring
Bennett H. K., Williams opposite Middle bridge
Gordon Edwin E., Myers block
Holcomb B. R., Canal opposite Post Office
Long & Fenton, Canal opposite Post Office
Renois William H., Canal corner Church

Planing Mill.

COOKE W. W. & SON, east side of harbor

Saloons and Restaurants.

Allen Hannibal, Canal near Division
Dahlgreen House, Canal near Division
Day E. B., foot of Canal
DeLano George, Canal near Bellamy

Music, 261 River Street, Troy. See page 2.

BUSINESS DIRECTORY.

89

Gauvrau Joseph, Clinton avenue
Gibbs Ozel, Griswold's block
Yule George, Canal corner Bellamy

Sash, Blinds and Doors.

Ames N. H. & Co., Canal opposite Depot

Spring Bed Manufactory.

PENFIELD D. & SON, Williams above Saunders

Stoves and Tinware.

ALLEN HEMAN C., Canal near Church
BULL S. C., Myers block

Tannery.

JILLSON S. G., Williams opposite Wilson avenue

Telegraph Office.

Western Union, Canal near Post Office

Transportation Companies.

Burleighs & Marshall, Old National Bank Building
Whitehall Transportation Co., R. H. Cook, secretary and
treasurer, foot of Canal

Upholsterers.

PENFIELD D. & SON, Williams corner Saunders

Watchmakers and Jewelers.

Griswold H. A., Canal opposite Post Office

For Piano Fortes or Organs, go to **CLUETT &**

90

BUSINESS DIRECTORY.

FORT EDWARD BUSINESS DIRECTORY.

Academy, Schools and Colleges.

Fort Edward Institute, Joseph E. King, principal

Amusement, Places of.

Allen's Opera House, situated on Broadway. This hall is handsomely fitted up, and will accommodate 1,200 people, and has all necessary scenery for legitimate business

Baker.

Moore A. W., Eddy

Banks.

National Bank of Fort Edward, Broadway
State Bank of Fort Edward, Broadway corner Eddy

Billiards.

McDonough J. H., Allen's Opera House

Bill Poster.

Reeves J. M., Broadway corner Notre Dame (P. O. Box 47)

Blacksmiths and Horseshoers.

Burke & Evans, Broadway
Dunn O. K., Mechanic
Whitford Bros., Mill

SONS, 261 River Street, Troy. See page 2.

BUSINESS DIRECTORY.

91

Pottery.

Satterlee & Mory

Blast Furnace.

Griswold John A. & Co.

Booksellers and Stationers.

Cheesman J. H., Broadway
Dwyer M. O., Broadway
Doherty Edward, Broadway

Boot and Shoemakers and Dealers.

Dugan Daniel, Mechanic
Durkee L. & Co., Mill corner Mechanic
Kingsley H., Broadway
Manahan M. J., Broadway
Parish Seth, East
Rozell Peter W., Mill

Carriage Makers.

Burke & Edwards, Broadway

Clergymen.

Cookson F. M. (Episcopal), Broadway
Magee Father Rev. (Catholic), East
Neal H. H. (Presbyterian), Bridge
Noe J. J. (Methodist), Broadway
Tucker D. D. (Baptist), MacRae

Coal Dealers.

Rozell Peter, south end Broadway

Congress Bitters.

Allen William, Broadway

Clothiers and Merchant Tailors.

Bennett & Co., Broadway

The Steinway Piano, at CLUETT & SONS,

92

BUSINESS DIRECTORY.

Cohen Alexander, Broadway
Fox & Niles, Hodgman's block
Hodgman A. C., Broadway
Lustig K., Broadway
Ruggles Z. P., Broadway

Country Stores.

Cary Albert W., Broadway
Chapman A. W., Mechanic corner Mill
Clements A. M. & C. M., Eddy corner Broadway
Crawford Brothers, Broadway
Nash M. A., Broadway
Reeves Hiram M., Broadway

Dentists.

Burnham B. S., Church
Elmore C. A., Broadway corner Eddy

Druggists.

Campbell J. M., Broadway
Cronkhite M. S., Broadway corner Eddy
Davis Francis B., Broadway

Dry Goods.

Rothschild & Wurtzburg, Broadway
Schoolhouse & Oppenheimer, Broadway

Fanning Mills.

Grace M., Broadway

Flour and Feed.

KINNE & WASHBURNE, Broadway
Potter T. J. & Co., Mill (flour)

Fruit, Fish and Oysters.

Crawford C. V., 1 Bridge
PRATT OLIVER A., Broadway corner Notre Dame

261 River Street, Troy. See page 2.

BUSINESS DIRECTORY.

93

Furniture Dealers.

DeForest & Irving, Broadway
Potvin F. S., Broadway

Grocers.

Ashley W. A., Broadway
Bennett C. E. & S. S., Broadway
Conway, Foster & Co., Broadway
Durkee L. & Co., Mill corner Mechanic
Durkee & Montgomery, Notre Dame
Ganley & Lawler, Mill corner Main
Godfrey J. S. & Son, Mechanic
Sherman J. C., East

Hairdressers.

Kissen William, East
Martin Joseph, Broadway
Mayo Frederick, Broadway
Pair J., Broadway
Paro Lewis, Jr., Mill

Hardware and Stoves.

Matthews W. H., Broadway
Smith, Sanford & Co., Broadway
Yelverton Thomas, Broadway corner East

Harness Maker.

Cahee Alexander, East

Hotels.

ALLEN'S HOTEL, Broadway
ELDRIDGE HOUSE, H. Potter, Broadway
FORT EDWARD HOUSE, H. Potter, Broadway
Milliman House, south end Broadway

House Furnishing Goods.

Scott S. E., Broadway

Hub Manufacturers.

Howland & Wing, opposite depot

Insurance.

KING D. H. (real estate), Broadway
Little George W., Broadway

Lawyers.

Hull Edgar, Broadway
Milliman & Noble, Broadway
Redfern M., Broadway corner Eddy

Livery Stables.

Hubbell J. S., East
Pratt Myron, Canal

Lumber Dealer.

MILLIMAN N. B., south end Broadway

Maltsters and Brewers.

Durkee & Co., on Champlain canal above lock

Marble Works.

Young & Gunn, Main opposite Broadway

Meat Markets.

Betts Alexander P., Broadway
Crane Andrew, Broadway
Nelson John, Mechanic corner Canal
Robinson J. J., Broadway

Milliners and Dressmakers.

King M. V., Broadway
Miller J. M., Mrs., Broadway

Newspaper.

Fort Edward Gazette, H. T. Blanchard, Broadway

Opera House.

ALLEN'S OPERA HOUSE, R. Allen, proprietor, B'way

Photographers.

Nims William, East near depot
Sunderlin J. C., Broadway

Physicians and Surgeons.

Cornell & Little, Broadway
Flint J. J., East
Gordon A. B. (uroscopic), Broadway
Hewett Adelbert, Broadway

Pottery.

Hudson River Pottery

Saloons and Restaurants.

Fitzgerald David, Mechanic
Graham S., Broadway
Guntry Thomas, Mechanic corner Canal
Infield J. G., Mechanic corner Canal
Langven Ezra, East st.
O'Brien Patrick, Mill
Rice John E., Broadway

Sash, Blinds and Doors.

MILLIMAN N. B., south end Broadway

Sewing Machines.

Ashley W. A. (Florence), Broadway
Cary A. W. (Grover & Baker), Broadway
Clements A. M. (Singer), Broadway
Whipple Margaret (Finkle & Lyon), Mill

The Beautiful low-priced Haines Piano, at CLUETT & SONS,
261 River Street, Troy. See page 2.

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BUSINESS DIRECTORY.

Tobacconists.

Keays John, Broadway

Toys and Varieties.

Cheesman James H., Broadway

Watches and Jewelry.

Baldwin R. F., Broadway

BARTON HENRY H., East corner Broadway [see adv.]

ADVERTISING DEPARTMENT

97

J. W. COOK,

General Agent for the

ELIAS HOWE SEWING MACHINE,

Dealer in

ALL KINDS OF MACHINE NEEDLES,

Twist, Linen and Cotton Thread, Oil, &c.,

STEVENS HOUSE BLOCK, Cor. CENTER & WALES Sts.,

RUTLAND, VT.

DUNN & CRAMTON,

Jobbers and Dealers in

STOVES, TIN, GLASS & WOODEN WARE, MATCHES,

Special facilities for Jobbing and all kinds of Wooden Ware,
Tin and Glass Ware,

Wire Goods, Lamps, Burners, Chimneys, Wicks, Spoons, &c.,

All kinds of Barter taken in exchange for Goods. Cash paid for Paper
Stock and Old Junk.

**No. 12 MERCHANTS' ROW,
RUTLAND, VT.**

Miss A. M. HATHORN,

DRESS AND CLOAK MAKER,

No. 6 Union Block,

COR. MERCHANTS' ROW AND CENTER STREET,

RUTLAND, VT.

CHARLES M. FISHER,

CORNER MERCHANTS' ROW and WEST STREET,

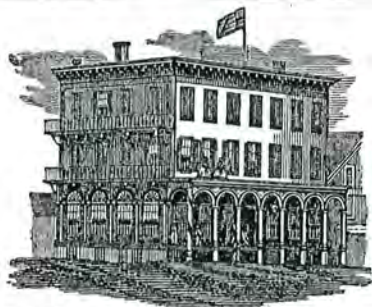
RUTLAND, VT.,

SALOON KEEPER

AND DEALER IN

OYSTERS, FRUITS, CIGARS AND TOBACCO.

OYSTERS BY THE GALLON, QUART or PINT.



CENTRAL HOUSE

RUTLAND, VERMONT.

J. A. SALSURY & Co., Proprietors.

A GOOD LIVERY CONNECTED WITH THE HOUSE.

BARDWELL HOUSE,

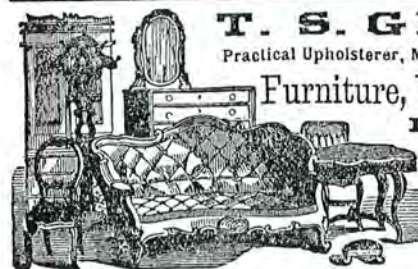
By J. W. CRAMPTON,

RUTLAND, VERMONT.

GOOD STABLING AND LIVERY

CONNECTED WITH THE HOUSE.

E. D. KEYES & CO.,
 COMMISSION MERCHANTS,
West India Goods, Provisions,
FLOUR AND GRAIN.
 Agents for the Celebrated
 Charm of the West and Cream City Fine Cut Chewing Tobacco,
RUTLAND, VT.



T. S. GILSON,

Practical Upholsterer, Manufacturer and Dealer in

Furniture, Upholstery Goods,
FEATHERS,

MATTRESSES AND SPRING
 BEDS,

Crockery, Glassware and
 HOUSE FURNISHING
 GOODS.

Also, Furnishing
 UNDERTAKER,
 Coffins,

Caskets, and
 Burial Clothes,



No. 21 Merchants' Row, Rutland, Vt.

JOEL C. BAKER,
 Attorney and Counselor at Law,
 AND SOLICITOR IN CHANCERY.
 Office, No. 5 Union Block, **RUTLAND, VT.**

MAURICE E. VIELE,

Importer and Wholesale and Retail Dealer in

ENGLISH, FRENCH, GERMAN AND AMERICAN

HARDWARE AND CUTLERY

ALSO,

SWEDES, ENGLISH AND AMERICAN

BAR & BUNDLE IRON,

Spring Steel and Cast Steel, Springs, Axles,
 Anvils, Vises, Shovels, Spades, Forks, Mill
 and Cross-Cut Saws, Coil Chains, Log
 Chains, Trace Chains, Cut Nails,
 Cut and Wrought Spikes,
 Horse Shoes,

TIN PLATES, SHEET IRON,

Sheet Zinc, Iron Wire,

NOS. 41 & 43 STATE STREET,**AND 2 & 4 NORTON ST.,****ALBANY.****W. B. MUSSEY,**

DEALER IN CHOICE

GROCERIES

OF ALL KINDS,

PROVISIONS, FLOUR, ETC.

ALSO,

VEGETABLES,**Fruits, Nuts and****CONFECTIONERY,**

At the Lowest Cash Prices.

No. 11 MERCHANTS' ROW, RUTLAND, Vt.**J. W. FISHER,****DINING HALL**

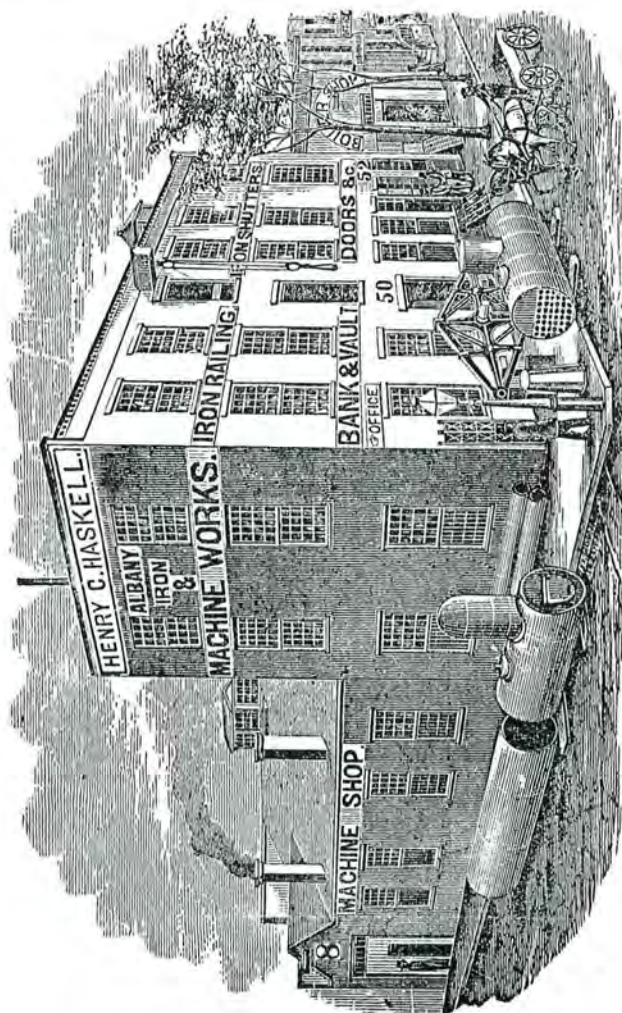
KINGSLEY & SPRAGUE'S BLOCK,

MERCHANTS' ROW, RUTLAND, VERMONT.**Dr. A. KILBURN,****DENTIST,**

OPPOSITE CENTRAL HOUSE,

RUTLAND, Vt.,**RESPECTFULLY SOLICITS YOUR PATRONAGE.**

All Dental work carefully and artistically performed.



SEE NEXT PAGE.

HENRY C. HASKELL, Albany Iron and Machine Works,

Nos. 50, 52, 54 and 56 Liberty, and 8 Pruyn Street,
**OFFICE 8 PRUYN ST., NEAR STEAMBOAT LANDING,
ALBANY, NEW YORK.**

Successor to PRUYN & LANSING in this branch of Business

MANUFACTURER OF ALL SIZES OF

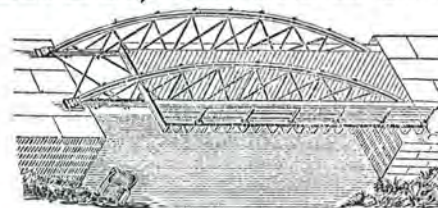
STEAM ENGINES AND BOILERS,
Bridge and Roof Bolts, Cemetery, Area and Stoop
Railings, Bank Counter, Office and
Desk Railings.

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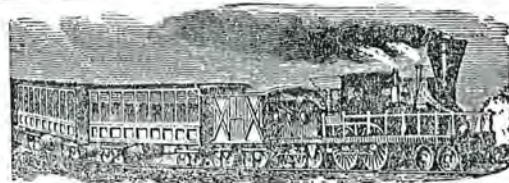
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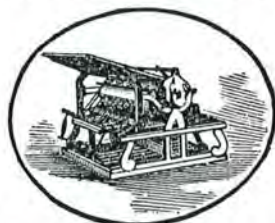
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THEORY OF THE BASE-BURNING STOVE AND THE ORIGIN OF THE “MORNING GLORY.”

Entered according to Act of Congress, in the year of our Lord 1870,

By D. G. LITTLEFIELD,

In the office of the Librarian of Congress at Washington.

ALBANY, N. Y.:

PUBLISHED BY THE LITTLEFIELD STOVE MANUFACTURING CO.

1871.

INTRODUCTION
TO THE
SECOND EDITION.

The exclusive right to manufacture under the Littlefield Patents is divided as follows:

The States east of the State of Pennsylvania to the Littlefield Stove Manufacturing Co., Albany, N. Y.

The State of Pennsylvania, and the States west of Pennsylvania, and north of the Ohio river, to Barr, Johnson & Co., of Erie, Pa.

The States of Maryland, Delaware and Virginia, and the States south of the Ohio river, to I. A. Sheppard & Co., of Baltimore, Md.



BUFFALO:
PRINTING HOUSE OF MATTHEWS & WARREN,
Office of the "Buffalo Commercial Advertiser."
1871.

Several reasons have led to the publication of this pamphlet, the most important of which may be stated as follows:

1. *It is due to the public that the facts herein set forth should be fully made known to all interested in the truth.*

2. *It has become necessary that a full and correct history of the BASE-BURNING STOVE should be given to the world, embodying a clear description of my several inventions combined in that stove.*

The facts and descriptions, therefore, necessary for these purposes, are fully set forth in the following pages. In placing them before the public, I have endeavored to state the truth as clearly and simply as possible, so that all who peruse this book will understand my object, and derive substantial benefit therefrom.

D. G. LITTLEFIELD,
Patented,

Albany, N. Y., 1871.

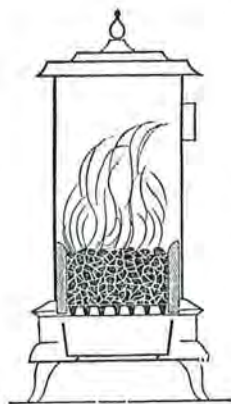
THEORY
OF THE
BASE-BURNING STOVE
AND ORIGIN OF THE
MORNING GLORY.

Prior to 1853, the term "Base-Burning" was unknown; "Magazine" stoves, however, had been in use long before that time, but to a limited extent only; and though regarded as scientific stoves, as distinguished from Surface-burners, they had evidently found but little favor with the public. The reason undoubtedly was that the great mass of people were never scientific in such matters.

The masses probably never will become scientific in matters of this character. The subject is too intricate to be clearly understood by those not making it a specialty; and, therefore, a scientific machine, to be of substantial benefit to the great mass of people, must have a perfect organization, and be so simple in its construction that, when put in operation, it will do its work correctly, without reference to the skill of the party called upon to use it.

To effect this has been my constant study since the year 1853, and the whole object of my inventions, or improvements, has been to produce such a stove.

When turning my attention to this subject I found the common "Surface-burner" to be the stove universally used in this country. The "Magazine" stove had been laid aside as a thing of the past. The minds of the people appeared to be made up on this subject, and they had



A Surface-Burner.

combustible was free to run away from the friendly oxygen (air), admitted at the base, which would combine with and develop its heat-giving power if it could only be detained a moment at a burning point; but, passing as soon as generated to the upper region of the stove, where it was cooled, its concealed heat could not be developed, but was carried to the house-top and wasted.

The correct method of burning any compact fuel that contains but little hydrogen, is to heat it before it reaches the place of combustion, and thereby give it an affinity for oxygen.

This method is particularly advantageous with anthracite coal, for the reason that it contains but little hydrogen, and but little if any oxygen, in its formation. It must find the elements necessary to combustion in the surrounding atmosphere; to heat this fuel, therefore, before bringing it to the place of combustion must facilitate the operation.

This fact has been well known to the scientific world for many years. It has also been as well known that the most perfect method of burning any fuel is one by which the combustible must meet the supporter of combustion inversely, and permit the products to pass off sideways to a space never to be filled.

The "Magazine" stove was intended to do this. It was constructed many years ago upon that principle; but, as before stated, it found but little favor with the public. And why not? This is a proper subject of inquiry.

It was undoubtedly the case that "Magazine" stoves had a fair trial many years ago; and, as then constructed, they were condemned as unsuitable to the requirements of the masses; but history does not state the reason for their failure, and it can only be known therefore by conjecture. That there was a protracted conflict between the two systems is

settled into the conviction that the only stove suitable for the masses was the unscientific "Surface-Burner."

It seemed to me that this ought not to be, and would not have been, the case, except for some radical defect in the construction of this so-called "scientific" stove.

A surface-burning stove is one that must ignite the whole of the fuel it contains in order to develop its heating power. While reflecting and radiating its heat upwardly it depends more for its power upon the quantity of fuel subjected to combustion than upon the rapidity of its consumption.

This method of operation was never regarded as in accordance with the correct theory; for the obvious reason that the volatile

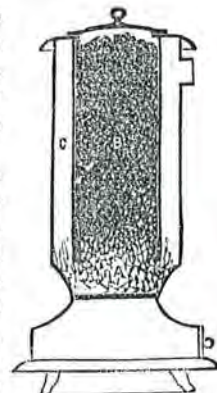
evidenced by the fact that the late Dr. Nott took sides with and attempted to give value to this so-called "scientific" stove; but, as he retained in his stoves the defective organization of the former "Magazine" stoves, they shared the same fate.

It will be observed that unlike the Surface-burner, the "Magazine" stove did not depend for its heating power upon the quantity of fuel it contained, but upon the rapidity with which the fuel was burned; the magazine at all times containing a supply of reserve fuel to be gradually heated as it should descend to the place of combustion, while its burning and heating capacity was intended to be controlled by increasing or diminishing the amount of air passing in at the base.

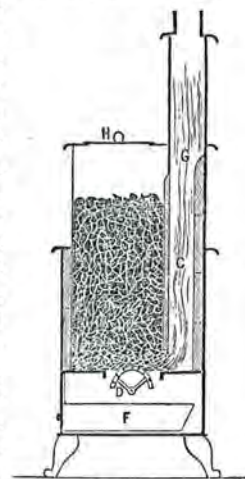
From this it will be seen that the "Magazine" principle has long been the property of the public. History does not

give the name of its inventor, or the year when it was invented. Some writers have stated that it was used by the Chinese more than two thousand years ago. As to the truth of this I cannot give an opinion, but I am able to state that, so far as my knowledge extends, no one, prior to the date of my improvements, thought it susceptible of further invention. Like a finished city it was supposed there was no more to be done with it, except to keep it in repair, which was the purpose of Dr. Nott, or permit it to go to decay and ruin. And ruin it was, finally, at least so far as to the people of this country and its use in burning anthracite coal were concerned; for it was almost as little known to the great mass of the American people prior to 1853, notwithstanding the efforts of Dr. Nott, as though it had never been invented.

The great defect of the old "Magazine" stove is easily pointed out at this day; but not so in 1853. Then, it could only be imagined that no air ought to have been permitted to pass into its magazine at the top, and that to prevent this its opening cover ought to have been sunk within a chamber made vacuum by the action of the smoke-pipe and chimney. Now it is known, because it has been demonstrated, that air must not be permitted to pass in at the top of the magazine when the stove is in operation; and that the only practical method by which this can be avoided



A Magazine Stove.



The Nott Stove.

is to enclose the cover opening thereto within a chamber that communicates with the fire-pot, and also with the exit flue and chimney.

In 1853 it could only be imagined that herein lay the great defect of the former construction, or why it was that said stove had never gone into general use. Now it is known for a certainty, because it has been demonstrated that such was its great defect; and this fully accounts for the anomaly that an unscientific method of burning coal was so generally adopted in preference to one known to be scientific.

The former construction was faulty in that its action *could not* be controlled by the air supply at the base. Now that its organization has been perfected, it *can be* controlled by the air supply at the base.

The former construction was simply a "Magazine" stove, intended to perform what it could not, owing to its imperfections. Now it is a "Base-Burning" stove, ever reliable, and ever certain to *burn only at the base*, as was the intention of the inventor of the first "Magazine" stove, but who failed to discover and remedy the defects of his invention.

It will be apparent to the careful investigator that primarily the heating power of a "Base-Burning" stove must depend upon the size of its magazine and its proper adjustment to the fire-pot; that these two elements should be so adapted to each other as to ignite but little coal compared with the quantity the magazine is to contain; that the magazine should be so protected that air cannot enter it at the top when the stove is in operation, thus enabling it to be filled with combustible matter (coal and gases generated therefrom), instead of coal and atmospheric air coming in from the top of the magazine, for if air is permitted to pass into the magazine when the stove is in operation, it will pass to the ignited fuel, and so support combustion from that direction, and result in igniting the coal contained in the magazine, which will repeat the defect of the old construction; that the magazine and fire-pot should be so adapted to each other as to make it necessary to build and keep the fire below the magazine, so that as the coal at the base is consumed, that above will settle,—not out laterally and away from the burning point (the lower end of the magazine), but down, to supply the place of that which has been consumed.

With such an organization, a fire may be started with the frost of autumn, and by supplying coal to the magazine and shaking down the ashes daily, continued throughout the winter, if a "Mill Grate" is employed to grind up and pass to the ash-pit the refuse matter that cannot be burned. And if the lower end of the magazine, which is the most intensely heated part of the stove, and the burning point, is composed of fire-brick or other non-combustible material, the coal and all the gases it contains will be consumed and evolve all of its concealed heat, none being wasted, a result which cannot be obtained unless all of these conditions are complied with.

For the purpose of giving to the public the full benefit of my inventions and improvements in this class of stoves, I will specify, quoting from the

Letters Patent, the improved organization and the parts of the present "Base-Burning" stove embodied in the "Morning Glory."

My first application for Letters Patent for improvements of this character was filed in the patent office, July, 1853, and afterwards, dating from January 24, 1854, the following claims were patented.

"The combination of a reserve fuel-supplying cylinder, a separate fire-pot, a chamber to receive the products of combustion, and an exhausting exit flue, substantially as, and for the purposes described."

This claim was for a stove, however constructed, which employed a *magazine* and *fire-pot* having a *surrounding chamber*, providing the surrounding chamber enclosed the cover opening to its magazine. This same construction was also patented as follows:

"The combination of a fire-pot constructed as described, with a fuel-supplying cylinder, which has its cover opening surrounded by a chamber which communicates with the outlet from the fire-pot, and also with the flue leading to the chimney, when the aggregate amount of outlet space from the fire-pot exceeds the amount of inlet through the grate at the base."

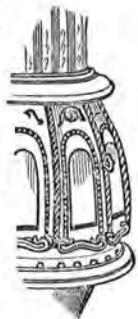
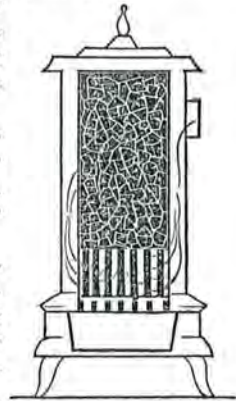
The illuminating case was patented in the following claim.

"I do not claim the intent to make an opening in the exterior case of the stove through which the operation of the fire can be seen; but what I do claim as my invention, and desire to secure by Letters Patent, is the arrangement, adaptation and combination with a fuel supplying cylinder stove, of an illuminating case to the chamber which receives light and the gaseous products of combustion from the burning fuel, substantially in the manner and for the purpose herein set forth."

The outside cover of this stove which was the first magazine stove "cover" to open sidewise was secured by the following claim:

"I do not broadly claim hinging a cover to the top plate of a stove, but what I do claim as my invention and desire to secure by Letters Patent, is the arrangement, adaptation, and combination with a fuel supplying stove, of a cover so hinged to the top plate of the stove, that it may be swung open on a horizontal plane."

Stoves as patented by the foregoing claims were manufactured at Albany, N. Y., in 1853; and there are many who can well remember its partial failure.



It is safe to say there was never a stove made at Albany, or elsewhere, so completely condemned by its manufacturers. It is true that some were of the opinion that they might answer as a "Summer Stove," others thought that they might serve as a "refrigerator," while others again, influenced more or less by the timid manufacturers, said, and no doubt thought, that "the man who got them up had better retire from business." They were conceded by the manufacturers to be a superior coal burner, and peculiar in that they would do this and produce but little heat; and so anxious were these "Pioneers" to have its failure known to everybody, that pamphlets printed in Massachusetts and brought with me to Albany to advertise these stoves in 1853, some of which are now in my possession, were written upon and circulated from the establishment of these "Pioneers," which were thus made to state upon their title-page that this stove was "*the only apparatus ever constructed that would compel the perfect combustion of the inflammable gases of anthracite coal without heat.*"

This "Base-Burning" stove, my first attempt, was constructed wholly of iron; its magazine being composed in part of cast, and in part of sheet iron, while its fire-pot was made of cast iron; thus constructing the outlet therefrom, and the burning point, of cast iron, which should not have been the case. There were other defects of construction, but this was the chief cause of its failure.

Iron is a good conductor, and by this construction, heat was conducted away from the burning point, where it should have been retained sufficiently to consummate a complete combustion of the fuel; but the lower end of the magazine being composed of iron, conducted the heat to other parts of the stove, and thus lessened the ability of the magazine and fire-pot to act correctly; resulting in the production of a stove having sufficient power only to reduce the coal to ashes, but evolving but little heat. Hence the idea, probably, of its manufacturers that it was the only stove ever constructed that would burn anthracite coal "without heat."

The careful investigator will observe that its serious defect could have been readily obviated by the substitution of some non-conducting substance, in place of iron, in the construction of the outlet space from its fire-pot and magazine.

The manufacturers referred to became disheartened, and, coward-like, turned back, facing the surface-burning stoves, as promising more ready cash and profits; while the writer, compelled to make other arrangements, associated himself with other parties, and continued his efforts to perfect the "Base-Burning" stove.

As a matter of policy, and in part from necessity, the peculiar construction of said stove was abandoned for a time; but the stove next constructed retained the same organization, so far as regarded the principle involved; varying from the former so far only that the "chamber" surrounding its magazine and the cover opening thereto, was divided into a series of "chambers"; the series acting and serving as an equivalent for the single "chamber." This stove was known in the market as the "Railway Coal

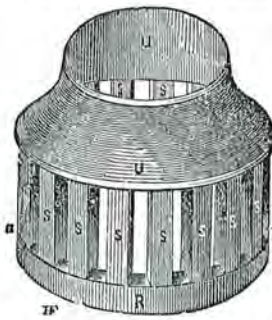
Burner," and, as is well known to the trade, was the first "Base-Burning" stove ever made that proved to be a success. The outlet space from its fire-pot and magazine, and which was the burning point, was constructed of fire-brick or soap-stone; so made to obviate the defect causing the failure of the former stove. In this stove I found a success, and had the parties referred to been a little less cowardly, and, instead, possessed a little more confidence in the future, with the same efforts, a still greater success might have been achieved with the stove first made; in which event the "Railway Coal Burner" would not have been produced.

I regret the necessity of reference to these parties, but such is due to the public; for without such reference, the information relating to the science of Base-Burning, which this work is intended to give, cannot be sufficiently stated. Had their acts been just and proper, they would have received due credit; but being highly improper and unjust, they must suffer the consequences.

The "Railway Coal Burner," which was the only "Base-Burning" stove then in market, was sold extensively from 1856 to 1861, during which time the stove first made was not forgotten, as, prior to 1860, my plans for re-constructing it were carefully considered and perfected, as I was determined that the next attempt should be a success, and a stove produced which would be valuable so long as anthracite coal was burned.

Proceeding with caution, in 1859, I constructed a fire-pot which was devised in 1853, to obviate the defect of the stove then made. This fire-pot was tested in the stove of 1853, by using it in my own house during the winter of 1859; and by its satisfactory operation proved conclusively to my mind, that if the same had been done in 1854, and the stove put in market by manufacturers well established in the business, and who were, in fact, friendly to the stove, it would in one season have gained a popularity that has required years to establish.

This invention was patented for seventeen years from the 25th June, 1861, by the following claim:



Fire-Pot.

"What I claim as my invention and desire to secure by Letters Patent is, in the construction of the class of stoves which have a magazine for reserve coal, and an external case which surrounds the fire-pot, and encloses a space into which the products of combustion pass sideways through apertures in the fire-pot, the employment of soap stone, fire-brick, or other equivalent refractory or indestructible and slowly conducting material to compose that part of the fire-pot or burning chamber between or immediately around said "apertures."

After testing this invention I proceeded, in 1860 and 1861, to re-construct

the stove of 1853, and produced three sizes, which were introduced to the trade in 1861, under the name and trade mark of the "Morning Glory."

It will be observed that the stove, as made originally, had a perfect organization so far as regarded the protection of its magazine; and the fact that the "Morning Glory," its prototype in principle, was so popular, even from the start, is evidence of a feeling in the minds of the public in favor of the stove of 1853, and of the folly or wickedness of those who contributed to its unpopularity. The present pattern of the "Morning Glory" is nothing more nor less than the stove of 1853, with inventions and improvements, relating to these stoves as a class, added, which were produced after having obtained a better knowledge of the subject, and which would have been produced before, had circumstances permitted, in 1854, what was not done until 1860.

Thus it will be seen that the production of the "Morning Glory" was simply to combine, in a practicable form, various correct principles of construction, some of which were devised as early as 1853, but not given to the public until 1861, and after it was safe to so construct this invaluable burner as to more perfectly adapt it to its original purpose.

It was then assumed upon my seven years' practical experience with these stoves:—

First. That the air-supplying grate at the bottom of the fire-pot ought to be so constructed as to allow the removal therefrom of the slate and other incombustible substances which accumulate therein, without extinguishing the fire.

Second. That more direct and enlarged radiation from the burning coal would be highly beneficial, and might be accomplished by increasing the heating power, and by the more equal diffusion of heat through the surrounding chamber.

Third. To the same end, and that more heat might be communicated to all parts of the surrounding chamber, the outer case required to be so constructed as to become more intensely heated, both by the direct radiation from the burning coal, and from the heat of combustion proceeding therefrom and diffusing itself over the interior surface of the case.

Fourth. For the double purpose of securing a better outer illumination, and a more beneficial diffusion of the heat radiating from the outer surface of the case, it would be important to give to it such a form, and so to dispose the windows, that the light might be reflected upward, also, to a sufficient extent, horizontally, and that a portion of the heat from the lower part of the case should be reflected downward.

Fifth. Coal-Burners of this class, when in operation, generate and retain in their fuel-magazine highly inflammable mixtures, varying in quantity according to the quality of the coal and to the proportion of moisture it contains. The sudden intermixture of these gases with atmospheric air will cause explosions, and hence it becomes important, when the magazine is to be opened for the purpose of replenishing it, by some convenient arrangement, first to free it from such gases.

Sixth. The burner should be so constructed that when in operation no atmospheric air can enter the fuel-magazine; and to this end some provision is indispensable for carrying off, through the exit flue, any air that may find entrance at the top of the burner.

Seventh. The burner should be so constructed that the hot products of combustion emitted from the fire-pot shall have room for immediate expansion; that they shall be retained at the point of expansion long enough to part with a large share of their heat; and that they shall then pass to a gradually contracting part of the chamber; because, by this means, they will be made to impart an increased and more uniform degree of heat to the whole of the transmitting case.

Eighth. For the purpose of giving to the burner the highest degree of efficiency, and of saving fuel, it should be so constructed that the hot products of combustion may be forced into full contact with all parts of the surrounding case throughout its whole extent, including its front and its extreme upper and rear portions, and then be turned downward to the exit flue.

Ninth. When used for warming the apartment in which it is placed, the burner should be so constructed as to transmit the largest share of its heat from the front, and a portion of it toward the floor of the apartment.

Tenth. When to be used for the last mentioned purpose, the burner should be so constructed that bits of coal accidentally dropped upon the floor, or any refuse matter, may be readily and conveniently got rid of by depositing them in the magazine; and for this purpose should be provided with a sliding cover over the magazine, upon which, on opening the outer cover, such bits of coal or refuse matter may be thrown, and, after replacing the outer cover, be projected into the magazine by simply drawing the sliding cover.

These various inventions, or improvements, all relating to the same subject matter, were secured to me for seventeen years by Letters Patent, bearing date December 9th, 1862, in the following claims:



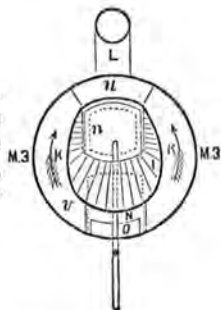
First. "The mill-grate, constructed and operating substantially as and for the purpose described."

Second "The flaring portion of the outer case (below the windows), in combination with the Fire Pot."





Third. "The furnace (fire-pot), opening into and in combination with the chamber (surrounding the magazine), and so constructed as to emit both light and heat from the burning coal in an upward direction."



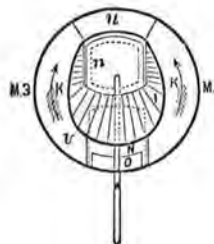
Fourth. "The compelling of the draught from the grate while the fire is kindling, and previous to and during the process of replenishing the magazine, to pass through the magazine for the purpose specified, by the means I have devised, or by any analogous devices."



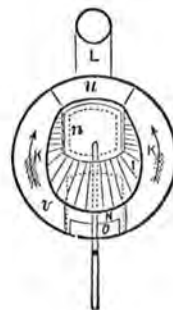
Fifth. "The chamber (I) communicating with the (exit) flue, whereby air finding admission through the aperture over which rests the top cover, passes to the exit flue."



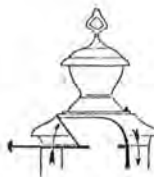
Sith. "The divided flue (K) around the (above) chamber and forming a communication between the chamber (around the magazine) and the exit flue, whereby the products of combustion are drawn to the smoke pipe and chimney, and the heat rendered more effective by its proper diffusion within the burner."



Seventh. "The plate forming the top of the magazine, and projecting out over it to the outer case, and having aperture (O) at the front side, and another (U) into the exit flue."



Eighth. "Such an adjustment of parts of the magazine stove as will carry the whole volume of heated products of combustion to the front region of the stove, and thence to the rear part of it over the top of the magazine, in the manner I have described, or by any other analogous devices."



Ninth. "The grate-like sliding (reservoir) cover, in combination with the magazine."



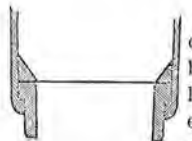
Tenth. "The inward deflection of the case (the window section), in its relation to, and combination with, the furnace (fire-pot) and chamber" (surrounding the magazine).



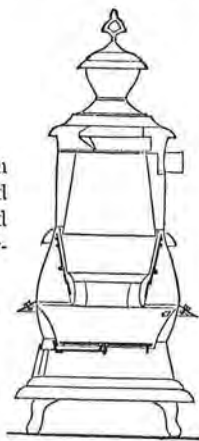
Eleventh. "The window openings in the outer case, in combination with the recession of the case."

The first patterns of these stoves, those sold in 1861-2, and a part of those sold in 1863, embodied the above mentioned inventions; but desiring more heat from the base, in 1863 the interior construction was modified, and the improvements then produced—which are embodied in the present stove—were patented for seventeen years from August 18, 1863, by the following claims:

"The magazine, constructed as described, in combination with the furnace (fire-pot) separated from it, and suspended within a chamber isolated from the chamber surrounding the magazine."

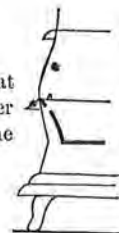


"The corresponding notches or shoulders in the iron cylinder and the lining (of fire brick, which forms the burning point) as described, by means of which the lining is held in place, notwithstanding the greater expansion of the cylinder by heat, and without danger therefrom."



"The combination of a magazine contracting in diameter from the middle or other line downward to its lower end, with a furnace (fire-pot) suspended within a chamber isolated from the chamber surrounding the magazine."

"The inter-communication to be opened and closed at pleasure, between the chamber of a magazine coal-burner which surrounds the fire-pot, and that which surrounds the magazine"

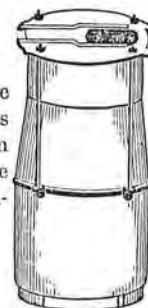


"The devices described, by means of which I am able to construct the upper and lower sections of the burner, each complete in itself, separately, and so to adjust them as to admit of their being conveniently separated and reunited without injury to either."



With these improvements added, these stoves were made and sold during the years 1863, 1864 and 1865, when further improvements were added, which improvements were afterward patented for seventeen years from April 25, 1868, in the following claims:

"The complete separation of the covered magazine from the sides of the surrounding case, and the devices described, whereby it is suspended and securely held in its proper position for use, while it may at pleasure be taken out of the case and again restored to its place without injury or disturbance of the case."



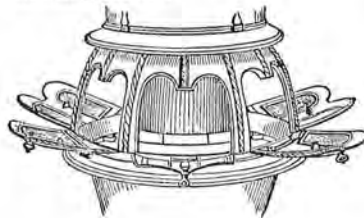
"The adjustment, in the manner described, of the handle of the cover of the magazine."



"The reciprocal adaptation of the magazine cover, the flue-plate and the hopper to each other, and of the hopper to the cover of the burner, in the manner and for the purposes specified."

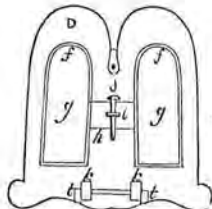


With these improvements added, the stove was made in 1866 and 1867. In 1868, the illuminated case formed of doors was added. This invention has been secured for seventeen years from April 5th, 1870, by the following claims:



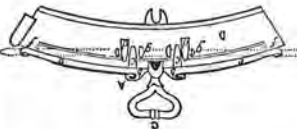
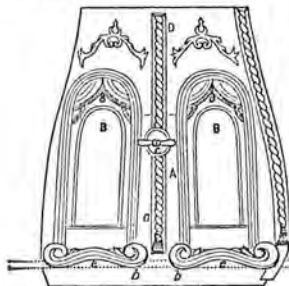
"Constructing the illuminating case of stoves with doors or windows which swing vertically downward."

"Holding the mica frames to the doors by means of the curved connecting bar,"



"In combining with a vertically swinging door, the arrangement of the concealed hinges."

There has been granted a design patent for fourteen years from May 4th, 1870, upon the construction of the hinged doors, securing to me the "exclusive right" to so form any curved hinged door at the lower part of it, that it may be drilled with the ordinary straight drill, and yet have the hinge concealed.



Claim:

"The design for a concealed hinge stove door, as and for the purpose herein shown and specified."



There was granted, on the 13th of March, 1866, a patent for seventeen years for the hinge to the cover of these stoves, with the following claim:



"A detachable cover and its seat, respectively provided with a pin and an opening, so constructed as to engage or lock with each other, for the purpose of hinging and securing a cover upon an open-topped vessel,



substantially as described."

Thus it will be seen that the present pattern of the "Morning Glory" stove embodies twenty-four distinct and separate inventions, or improvements, under patents now in force, besides the original inventions that were patented January 24, 1854.

The United States have granted to me for the terms of years mentioned in these patents, "*the full and EXCLUSIVE RIGHT and liberty of MAKING, USING and VENDING to others TO BE USED,*" these various inventions: therefore it is a *violation of law*, besides making a fraudulent use of my property, for any person to *make, sell or use*, any of them, excepting those of 1854, without my authority.

The law of patents is such that any person, though he may have purchased in good faith, is liable to an action for infringement for *selling, or using*, even a single stove which embodies any of these inventions, the patents for which are now in force, unless the stove was *made* or sold by the patentee, or some one authorized by him to do so.

This law was made to protect the rights of the public; but it is peculiar in that it declares that an "*invention*" shall be the *exclusive property of the "inventor" for a certain term of years*; and therefore it is as much the duty of the public to sustain this law as it is to sustain any law; and as wrong to join hands with those who violate it, and appropriate the property of others to their own use, as it would be to coöperate in the violation of any law. Taking this view of the matter—and no honest man can take a different one—it will be conceded that no person can have any more moral right to purchase and use a stove that in its construction has appropriated, without right, my inventions, knowing that such is the case, than to purchase and use my hat and boots, knowing them to have been stolen.

There are various grades of infringers, but the meanest grade that I have had to deal with,—and I think the case is without its equal in atrocity,—is the instance where an *irresponsible party* falsely represented that he was the "*agent for the owner of these patents for the States of NEW YORK and CONNECTICUT,*" and that he was putting these inventions in practice. This unjust pretension has been put forth in the most shameless manner, and by a party totally irresponsible, being an insolvent to the extent of several hundred thousand dollars, and therefore

justifying the suspicion that he was and is simply a "*cat's paw*" put forward by those who were responsible, and who were equally anxious for plunder.

This man, who has thus claimed to own my inventions, has at the same time sought in every manner possible to so avoid them as to make it difficult to call his associates, the responsible parties, to account as infringers; they evidently taking this precaution, fearing that the scheme to deprive me of the privilege of using my own property at Albany might fail, as it has. While making this pretension, and publishing far and wide that he, *as agent*, was the owner of these inventions "by purchase and assignment," his associates were placing themselves in such a position that, in answer to a suit from me, to be able, with considerable plausibility, to make answer that none of their "gains and profits, arose in fraud of any *legal rights* of mine; preparing to take the position that it was the public they have been defrauding, if fraud it was, and not me; that their "gains and profits" not being made *by the use* of my inventions, are not recoverable by me in a suit for infringement. A good defence, if established, but very similar to the one made by a pick-pocket on trial for burglary, when pleading that he was not guilty of the crime charged in the indictment, notwithstanding his propensity to practice the art of pocket-picking.

Other classes of infringers are at work, some of them following in the wake of these parties, taking the form without the substance; while others, apparently taking advantage of the circumstance, have taken my property to fix up the exterior portions of their stoves, with as much coolness as though they expected the approbation of the public for so doing.

These remarks are not intended to apply to all who are manufacturing "Magazine" stoves. There are some honorable manufacturers, who seek in good faith to use only their own inventions, together with that which has become the property of the public. With such manufacturers there is never any serious trouble, for when, by accident, they infringe, they are ready to change and avoid interference, or pay for what they have inadvertently taken. I might mention several instances where this has been done, but it will answer my purpose to state that all the magazine stoves in market that have been specially adapted for burning anthracite coal, which maintain perpendicular lines in the construction of their exterior cases (adopting the form of the stove of 1853, see page 9), either do not infringe my patents now in force, or have arranged to use a portion of my inventions. But all of those stoves adapted for burning anthracite coal which have adopted *the form* of the "Morning Glory" are either infringements, or bogus in character; having assumed *the form* because it is popular, or have taken my property in a fraudulent manner.

The purpose of this pamphlet is to give such a description of my inventions, that any person can determine whether or not any particular stove embodies them, or a portion of them; and if any, how much; and whether or not a stove which infringes in some respects, is, in fact, a desirable stove for use.

The careful investigator will discover that a large share of my inventions relate to the magazine, and to the chamber which surrounds it, their object being to enhance the value of those two elements, by making them more effective; and it is contended that these are the material parts of the stove, and that the other portions are subordinate to them.

It is true that the "basin" or "fire-pot" and grate, which holds the coal up to the burning point (the outlet from the magazine), are parts which require care in their construction; particularly the grate, which should be so constructed as to dispose of the slate and slag, which cannot be burned, without the necessity of allowing the fire to go out. The "mill grate" was devised for this purpose, and in the ninety-eight thousand seven hundred and fourteen "Morning Glory" stoves that have been sold since 1860, it has proved itself to be a perfect adaptation, and a finishing of that part of the stove; and it is contended that, next in importance to the magazine and the conducting flue and heating chamber which surrounds it, is this item at the base called the grate. It is also contended that even with the "mill grate," and a fire-pot of the most perfect construction, if the magazine is defective, the stove will be of but little practical value,—that such a stove will carry with it the seeds of its own destruction, which sooner or later will germinate and convince its user that when purchasing it a poor selection was made.

These statements being true, it follows that it would be moderately safe, notwithstanding my patents, for any person to make a stove so as to resemble the "Morning Glory" *in its external appearance*, and suspend a joint of stove pipe from its top plate over the centre of the fire-pot. It is supposed that the "right" is perfect to call this bit of pipe a "magazine or feeder," as circumstances require, and the stove a "Base-Burner," in order to sell it; but such are not the kind of "Base-Burners" that merit the patronage of the public, nor have they resulted from my inventions; but are a *make-believe*, got up to sell, because the common surface-burners *will not sell*, owing to the success of the "Morning Glory."

Various kinds of evasion have been resorted to. In some instances a cylinder left open at the top, and made very small from the middle to its lower end, has been suspended in the centre of the stove; sometimes adjustable and sometimes not, and called a "feeder," which is proper; as it not only feeds the coal relieved of a portion of its combustible properties to the fire-pot, but it also feeds this same combustible, unburned, from its open top to the chimney flue.

In some instances, this open-topped feeder has been made larger, to make it seem like a magazine, and lined with brick at the lower end (a wise

precaution), having openings through its sides just above the brick. This construction, so far as to facilitating the escape of the volatile combustible unburned, is preferable to the first-named construction, from the fact that it heats the coal to a higher degree before discharging it to the fire-pot, and thus evolves more of its gases to go to waste.

In some instances, this "feeder" has been made open at its sides throughout its whole extent. This, so far as to facilitating the escape, unburned, of the volatile combustible, and the consequent waste of fuel, is very greatly in advance of either of the before-mentioned constructions, as will be apparent upon the slightest examination.

In some instances, the chamber to contain the coal has been very much contracted at its lower end, practically making it a "feeder" only; although at the top, it being large, it *appears* to be a magazine. It is placed high up from the fire-pot, in order that the iron, of which it is composed, may not burn out. Such a construction will expose to view through the mica windows a large pile of coal, in a partial state of ignition only; and necessarily so, because the top surface and the outlet space from the fire-pot being so far from the grate, and so much larger than the inlet space for the air through the grate, the coal at the top cannot be consumed, but is converted into carbonic oxyde and passed to the chimney and wasted.

If it is desirable to waste fuel, the last mentioned construction should be commended in preference to either of those before mentioned, for the reason that its only available points of heat are the sides of the fire-pot, and such a stove can only be made to heat by a great destruction of fuel.

All of these evasions are called "Base-Burners," but none of them are the result of my inventions, unless it be that their manufacture has been a resort made necessary by the success of the "Morning Glory," and the inability of manufacturers to sell anything not called a "Base-Burner."

Another class of these so-called "Base-Burners" is the magazine stove as it was prior to the date of any of my inventions or improvements, the great defect of which I have already pointed out. My illuminating case, the patent for which expired in 1868, has been added to these old stoves, so that they are made to look very respectable, and therefore are well adapted to be taken for "Base-Burners," when in fact they are simply the old "Magazine" stove having my illuminating case added.

In 1863 (see page 16), I patented a method of constructing the lower end of a suspended magazine when composed of fire-brick (the shoulder upon the brick and a corresponding shoulder upon the iron cylinder), by which the bricks are kept from going down during the unequal expansion of the two substances, which takes place on starting the fire.

It would be difficult to use brick in constructing the lower end of such a magazine without infringing this patent. This feature, together with the "mill-grate," patented in 1862, is very important; so much so that without them the "Morning Glory" could not have achieved its present

reputation. Imitators have not interfered with either of these inventions, notwithstanding the chief among them has published far and wide that he was the "*agent for the owner of the patent for the States of New York and Connecticut.*"

But it has been found necessary for some of these imitators to do something to the lower end of the "feeder," or magazine, as the case may be; and therefore they now construct them hollow, introducing a current of air to circulate in this hollow space, and from that direction to the top of the burning coal; thus admitting that a great depth of coal ignited is only being wasted by passing a portion of its combustible properties to the chimney unburned; but it will be found, as time progresses, that such admission of air will increase rather than remedy the difficulty, by its checking the action of the stove, and causing a poorer quality of combustion within the fire-pot.

The absurdity of such a plan is shown by the fact that such "feeders" or magazines, do not readily melt and come to pieces. That they do not, proves conclusively that no additional combustion takes place. The only gas coming from the top of an anthracite coal fire that will burn is carbonic oxyde—carbon half oxydized—and to combine the other portion of oxygen with it, which must be done to burn it, requires a temperature of both the air and gas of nearly one thousand degrees of heat; and if a chemical union is thus effected, the temperature at the point of ignition will be increased from three to five-fold; and as iron melts at a less temperature, the lower end of the "feeder," or magazine, would be destroyed within the first twelve hours of such burning.

Air will mix with such gases and make them more apparent to the vision, giving the seller of such a stove a fine chance to talk about gas-burning; but this is not combustion, and while it does not evolve any heat, it actually cools those gases on their upward passage. All the air which enters the stove *above* the ignited coal, only tends to cool its upper portions and make it less effective; and for this reason the case forming the chamber around the magazine, and receiving the highly heated products of combustion from the fire-pot, ought to be as near air-tight as possible; and the effect will be precisely the same, whether air is permitted to pass in through the hollow magazine to this chamber or through openings of the same size made in the surrounding case.

Another objection to such admission of air through the hollow magazine is the fact that it cools and reduces the temperature at the point where active combustion must take place, if at all; which is contrary to the correct and established theory. But this may aid the imitators and save them from the charge of infringement for copying *certain forms*, which, in the "Morning Glory," have for their object to increase the temperature at which combustion is to take place.

The chamber surrounding the fire-pot and magazine necessarily forms the heating surface of the stove, and also the conducting flue chamber to

receive the heated products from the fire-pot, and impart their available heat while passing them to the exit flue and chimney. How important, then, that this current passing from the place of combustion to the exit flue shall be *as highly heated as possible on leaving the point of combustion*; and retained and circulated within this chamber as long as possible, in order to have an economical stove,—one that will impart the greatest amount of heat in proportion to the amount of fuel consumed.

The devices necessary to produce such a result are:

First. A properly constructed "covered magazine," one as large as the size of the stove will permit, and nearly as large in diameter at its outlet as the grate at the bottom of the fire-pot. It should be (at least its cover opening) completely immersed within the chamber receiving the products of combustion from the fire-pot, in order to prevent the entrance of atmospheric air under this cover to the fuel it contains when the stove is in operation. I believe there is no other method by which this can be avoided. Its lower end should be composed of some non-combustible and slowly conducting material, such as fire-brick, as this part of it, in its proper adjustment to the fire-pot, forms the burning point. And, as it is highly advantageous to retain heat at this point in order to consummate a complete combustion of the fuel, it must be composed of some non-combustible substance, in order to accomplish this with safety to the stove. Iron will not answer the purpose if the magazine is so adjusted to the fire-pot that a perfect combustion can be, and is, produced.

Second. The magazine thus constructed, should be so adjusted that the space between its lower end and top of the fire-pot, shall not be more than equivalent to the size of the grate.

Third. There is no doubt that with the first fire, or for the first forty-eight hours after starting a fire, the operation would be more perfect if the fire-pot was lined with brick or soap-stone; but this, with the "Morning Glory," has not been done, and for the reason that, if so lined, clinkers would adhere to its sides, and require removal, which cannot be done without much inconvenience. A fire-pot made of iron, and so constructed that a certain amount of ashes will adhere to its sides, forms a lining to which clinkers will not adhere; and they cannot adhere to the brick end of a magazine, for the reason that the coal in its descent removes and prevents any accumulation at that point, which would not be the case with the fire-pot, it being a resting place for the coal.

Fourth. To carry out this plan, and make the best use of a *brick-lined magazine* and an *ashes-lined fire-pot*, the grate on which the coal rests requires to be so constructed as to remove with ease the substances that cannot be burned, without letting the fire go out. Letting it go out to make such removal also removes the lining of ashes, which will take some days to replace after starting the next fire. It is claimed that for this purpose the "mill-grate" is a perfect adaptation; and that no other grate can accomplish this purpose in a satisfactory manner.

Fifth. To make the best use of these elements, the case to surround them should be so constructed as to be uniformly heated throughout its whole extent. And it is claimed that this can only be done in part by *the form of the case*, and in part by properly constructed interior devices.

By *form* only can the lower part of the case, which receives the heat from the sides of the fire-pot, reflect it toward the floor of the apartment.

By *form* only can the case above the fire-pot be enlarged so as to give room for the requisite expansion of the highly-heated products of combustion, as they issue from the burning coal, and permit them to *pass freely* from the combustion point.

By *form* only can the illuminating space be increased in size; and it is also by *form* that this enlarged surface is made to incline in over the fire, so as to become more intensely heated than it would be if perpendicular lines were preserved in its construction.

By *form* only can the case above the illuminating space be contracted; which is necessary, not only to secure the requisite detention, but from the fact that, as the volume of heated products will contract just in proportion as they part with their heat, they require to be passed to a more contracted space in order to continue to impart an equally intense heat to the contracted portions of the case.

Thus far the *form* may be made instrumental in producing a beneficial result; but beyond this, and when the heated products have passed to the contracted part of the case, they should be brought to the front region of the stove, and near the top of said case caused to be passed through a still more contracted space,—an aperture not more than one-twelfth the size of the outlet from the fire-pot. This can only be accomplished by a proper interior construction; and by this means the escaping current may be retarded, and caused to impart an intense heat to the upper cylindrical portion of the case, as well as to the lower portions; and passing said aperture at the front of the stove to properly constructed flues, over the top of the magazine, they will impart an intense heat to the whole upper part also, and with an ordinary chimney draught will leave only sufficient in the escaping products as is necessary to maintain a heated current within the chimney flue, which is requisite to the satisfactory operation of any stove.

Articles of value may be known by comparison, and sometimes they are only to be discovered in this manner. This is peculiarly the case with "Base-Burning" stoves, and for the reason that the great mass of people do not have the same knowledge of them as they do of other stoves.

It is but a few years since my inventions, which gave life to the "Base-Burning" stove, as all must admit, were known; and therefore it is not presumptuous to assume that the great mass of people do not yet have the requisite knowledge to discriminate and determine as to the merits of the various stoves now in market claiming to be "Base-Burners," unless it be to judge by comparison, after they have learned what constitutes a "Base-Burning" stove.

sions, by freeing the magazine of the gases contained in it before opening the outer cover, be found in any of them. Some of these imitations are so made as to appear externally to employ this invention, but on removing the top plate of such stoves, the cheat will be disclosed.

Neither will be found in them a *closed magazine*, or "feeder," having its lower end composed of fire-brick, or any other non-combustible material (patent of 1863); and I contend that a practical "Base-Burning" stove cannot be made and permit this part of it to be composed of iron.

Neither will there be found in them a stove so constructed as to be taken apart by dividing it into sections, so as to repair them readily (same patent).

Neither will there be found in them a *covered magazine*, so made and applied as to be separate from the surrounding case when the stove is in use, and that will not injure the case by its use, and that can be taken out for repairs without taking the stove apart (patent of 1868), or any other feature secured by this patent.

These inventions, so far as relates to the economy of the stove, its durability, ease of management and convenience in repairing, are the essential features of the "Morning Glory," not one of which are to be found in any other stove, and probably will not be until the expiration of my patents.

The public will discover, upon a careful investigation, that there is a wide difference between stoves of this character now in market; and that this difference is mainly owing to the fact that "Magazine" stoves were made many years ago; which fully accounts for this sort of stove being so numerous at the present time. This is also the principal reason why the ordinary stove makers are at liberty to aid in supplying a demand for "Base-Burning" stoves, *which has been produced by my inventions alone.*

There cannot be a greater error than to suppose that because a stove is so constructed that its makers have some reason to call it a "Base-Burner," that it is worthy of patronage. "Like produces like"; so in stoves as in the vegetable kingdom; and if a stove invented many years ago failed, owing to a defective organization, the same will again occur if the same cause exists. It is a fact easy to be substantiated, that there are a large number of stoves in market claiming to be "Base-Burners" which are duplicates in principle of construction of the old machine, and which are far inferior in point of fact to the common stove, and would soon give place to them were it not for the fact that my inventions are kept so prominently before the public.

The "Base-Burning" stove is a scientific machine, which requires to be made by those skilled in the art, in order to insure a correct construction, while the surface-burner can be made by any stove maker, it being as easy to construct as it is to build a fire upon the ground; and it is unreasonable to suppose that ordinary stove makers, who have only had experience with common stoves, can suddenly "turn their coats" and

embark in the production of "Base-Burning" stoves, to the advantage of the public, as well as to themselves.

In considering this question it should be remembered that I have had eighteen years' experience in this matter; that competitors cannot safely follow in my footsteps; and that they do not so follow me in the most material features. They can copy my *forms*, and thus appear to do this; but the time has not yet come when other manufacturers can avail themselves of my inventions brought into legal existence with the "Morning Glory."

It should also be remembered that none of these competitors have any better opportunities at the present time than I have; nor more experience in stoves of this character than I had at the commencement; and if eighteen years devoted exclusively to a *particular class of stoves* is worth anything, besides the protection of my patents, by such experience I am so much the better able to keep in advance of those who pretend, and who would like to follow me, but who dare not do so to such extent as to make themselves clearly amenable to the law.

I am disposed, as heretofore, to be enthusiastic in commending a principle in which I have taken so deep an interest. I commenced in this way, and with the whole community to contend with, I have thus pursued the matter until the number of my stoves in use can be counted by thousands, and have lived to see a complete change in the minds of the public with reference to them.

In 1853 the "Base-Burning" stove had no friends save its constructor. At the present time, the whole community being in its favor, it has no enemies save those who would prostitute its virtues in order to make money; and it must be conceded that this change in the minds of the public is a victory gained that is seldom accomplished during the life of any one person. It is more than I expected, as my highest aspirations were to make a beginning for others to finish, trusting that I should receive a portion of the benefit.

Had I taken the advice of friends, I should not have embarked in the enterprise; and so embarking, I was without friends, and was compelled to look to strangers for assistance, which was apparently a misfortune; but yet it may have been a blessing in disguise.

It is no easy thing to change the mind of a community. When that mind is made up it is seldom changed, except by the passing away of those who moulded the opinions, and by influences brought to bear upon those who follow after them; and the inventor who is compelled to work a change in the mind of the community before his inventions will be truly valuable, has a dubious prospect before him. I was forewarned that this was my position, but still pursued the matter, and why I did so would be difficult to explain.

I shall be excused for relating in this connection two incidents of this personal history. After having discovered, as I supposed, the great

defect in the organization of the "Magazine" stove, I had an irresistible propensity to consult those who were competent to advise in matters scientific; and therefore called upon various gentlemen of this stamp residing in different parts of the country. From these interviews I was enabled to gather much valuable information, and thus more completely fortify my position. In every instance, so far as to the defective organization of the stove in question, their views corresponded with my own. At New York I called upon a gentlemen having a national reputation, and who at the time was in the employ of the United States Government. This gentlemen treated me very handsomely, and, instead of taking the matter into consideration at our first meeting, named an hour when he would meet me; at which time he approved of my views upon all material points.

After the subject was exhausted, and he had expressed his approval in very flattering terms, he remarked that he was in hopes that what he had said would not be the means of leading me into difficulty; explained that his approval had reference to the principle involved, and had not been expressed with a view to advise me to embark in the manufacture of such stoves.

This turn of affairs took me by surprise, as I had already been induced to commence the building of "castles in the air." But as he had been frank in expressing his opinions, I felt at liberty to call for an explanation, at the same time giving as my opinion that a principle so correct, and of such apparent value, could not fail to meet the approbation of the public. To this he replied that I was in error; arguing that the minds of the people were all made up on this subject, and had been for many years, and to the effect that coal was only to be burned in a certain way, and which was directly the opposite from "Base-Burning." Predicted that when making efforts to sell such stoves, it would be "up-hill" work, in that I would find the prejudice of every person to be against them; that before any money could be made, it would be necessary to work a complete change in the minds of the public; and to do this, however diligent I might be in the effort, even if I should succeed finally, it was hardly possible that I would live long enough to receive any benefit from it. And, evidently with a view to dissuade me from the enterprise, he turned himself in his chair so as to face me, and calling me by name, said, "Mr. L. you have the appearance of a man that would be competent to succeed in almost any feasible enterprise, and there are many such opportunities, and my advice is, that you drop this subject and take hold of something more certain of a reward for your services."

It would have been better had I never seen this gentleman. Had I believed him to be correct as to the feasibility of the enterprise I should have abandoned it; but, persuading myself that he was in error, I proceeded, although with "fear and trembling." I had less confidence in success, and therefore the interview was an injury, besides it was the cause of much anxiety, and of many hours of unpleasant thought.

This was the last person of this stamp consulted prior to making the stove of 1853. In my view at that time it was sufficient, and that such interviews had better not be repeated. In some respects he was right, as I afterward discovered; but as a whole he was greatly in error, and ought not to have so treated the matter. From his stand-point he should have known that the world moves, and does not go backward; and that a step in advance is so much gained, and if rightly taken will never be receded from.

As before stated, the stove of 1853 was not a success, though it was not so much of a failure as claimed by its manufacturers. After this, and when the matter was at its lowest ebb, I felt as though my success, to a great extent, must depend upon having the aid of some person competent to advise in matters of this character; and for various reasons I selected the late Dr. Nott as the proper person. With considerable doubt as to what the result might be, I called upon him at his rooms at Union College, Schenectady. And mark the difference between him and the gentleman before referred to. So soon as I had explained what I proposed to do, he took me by the hand and assured me that I was the first and only person he had ever met that had constructed, or had tried to construct, a stove upon correct principles; and upon asking him if he could be induced to aid in the matter by his advice and counsel, he assured me that nothing would give him greater pleasure.

This my first interview with this great and good man ended by his consenting to remove one of his own stoves from where he had used it for over thirty years, and have one of mine, as imperfect as it then was, put up in its place. The first and most pleasant result of this interview was the dissipation of the night-mare bearing me down since my interview with the man of science at New York.

I had no further occasion to call upon other men of science, and have never done so. But for several years, and as long as Dr. Nott was able to attend to business, I received his aid and counsel. Have taken stoves to his room at Schenectady, and taken them apart and put them together again in his presence for the purpose of submitting to him their peculiar devices and construction; and many alterations were made at his suggestion, and afterward found to be advantageous. But the benefits derived from such suggestions were nothing in comparison to his aid in other respects.

I was then full of ideas as to how the stove, under its new organization, ought to be constructed, some of which turned out to be erroneous. *It was he alone that was fully competent to select the wheat from the chaff;* and this he did, causing me to discard many erroneous ideas I had before entertained, and giving me greater confidence in those that were of the genuine character; and in this way I was greatly aided by this eminent man; resulting, in my opinion, in the production of a more perfect stove than would ever have been produced by me had it not been my fortune to receive his aid.

At all times, whether constructing or re-constructing these stoves, my sole purpose has been to make them more valuable. The views of those not understanding clearly what constituted a "Base-Burner" I have seldom taken into consideration; and in some instances I have lost trade by not doing so. But time has shown that this was the proper course to be pursued; and that it undoubtedly has resulted in the production of a better stove and more friends, than if I had undertaken, as manufacturers generally do, to cater to the notions of those who are evidently disposed to be friendly, but who are incompetent to construct a stove of this character; and therefore there is nothing to regret on that score.

I have great confidence in the "Morning Glory," and to such an extent that I do not hesitate to say, that at the end of two seasons' use the party purchasing and so using one of these stoves will be better off, in the matter of dollars and cents, to say nothing of their convenience, than if for the same use any other stove had been put up free of charge.

The "LITTLEFIELD STOVE MANUFACTURING COMPANY" for the past three seasons have stood behind their customers and authorized them to put these stoves up on trial in place of any other stove, and guarantee a saving in fuel of at least one-third.

The information contained in this pamphlet is sufficient to serve as a key and guide, by which any person can learn what constitutes a genuine "Base-Burner"; and to condemn as unfit for purposes of economy the various stoves made in imitation of the "Morning Glory," and claiming to be "Base-Burners"; and it has been my purpose to so state the facts that any person can learn them; but some there are who use these imitation stoves, and like them because of their cheerful appearance, and, not taking the question of economy into consideration, speak well of them. To such I will say, It matters not how well you are pleased with such stoves, if you desire to be better pleased, and to practice economy, please call upon any person who sells the "Morning Glory," and propose to take one on trial and pay for it providing you like it better, and find it to be more economical than the stove you have been using, and your proposition will be accepted.

I have no apology to make for writing this pamphlet, unless it be to the public for not sooner making known the facts herein contained. I have had a desire to do this for some years past, but the circumstances did not seem to warrant it; but as imitators have grown presumptuous, even to the extent of representing their imitations as being "improvements" upon, and "superior" to, the "Morning Glory," I could not longer permit such assurance to remain unexpressed.

Albany, May 6th, 1871.

D. G. LITTLEFIELD.

APPENDIX.

SPECIAL NOTICE.

An intercourse of many years with those dealing in and using heating stoves, has convinced me that a majority of persons, when purchasing such stoves, select sizes that are too small to heat economically the space required to be heated. It is poor economy to save three, four or even eight dollars, by taking a small size, and afterwards discover that it is too small for the work required of it.

The "Morning Glory" stoves have been manufactured with a view of having them suited to rooms of certain sizes. For a room of ordinary height of ceiling, and taking, to cover the floor, from

15 to 20 square yards of carpet, a No. 19, 20 or 21
20 to 25 " " " " 21 or 22
25 to 35 " " " " 23 or 23
35 to 45 " " " " 23 or 24
45 to 60 " " " " 25 or 26

Should there be more than the usual number of openings (doors and windows), or any other cause to render the heating of the room more than ordinarily difficult, a larger stove than indicated should be used.

I would say to the trade, better lose the sale of a stove, than permit one of these stoves to be sold for use in a place where you know it is not, or have doubts as to its being large enough to heat the space required of it.

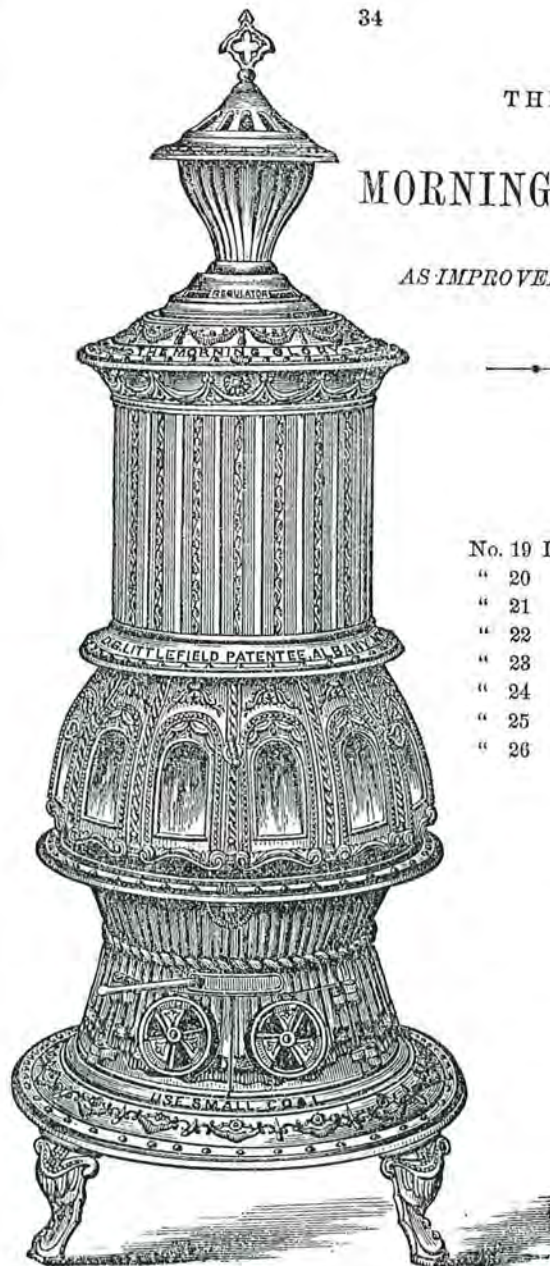
Few persons realize that a room 21 feet by 21½ feet is more than twice as large as one 15 by 15, or that one, the ceiling of which is 12 feet high, has one-third more cubic feet of space than one of the same size and 9 feet ceiling.

Nos. 26, 28, 30 and 32, High Top, are designed for large rooms, halls, stores, etc., and the size used should be selected according to the size of the room.

The above remarks are based upon my own experience and observation, and are submitted to the trade and the public, with the hope that they may have a beneficial effect.

THE
MORNING GLORY

AS IMPROVED FOR 1871.



No. 19 Low Top,

- | | |
|------|---|
| " 20 | " |
| " 21 | " |
| " 22 | " |
| " 23 | " |
| " 24 | " |
| " 25 | " |
| " 26 | " |

THE MORNING GLORY FOR 1871.

HIGH TOP.



No. 26.

" 28.

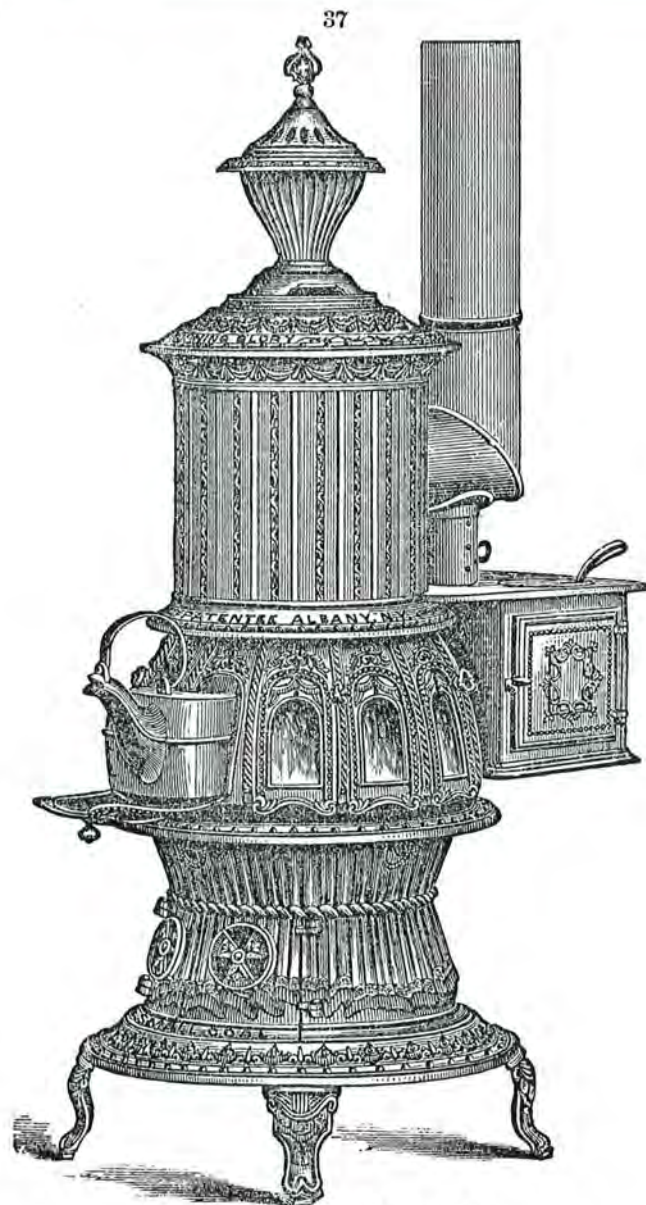
" 30.

" 32.

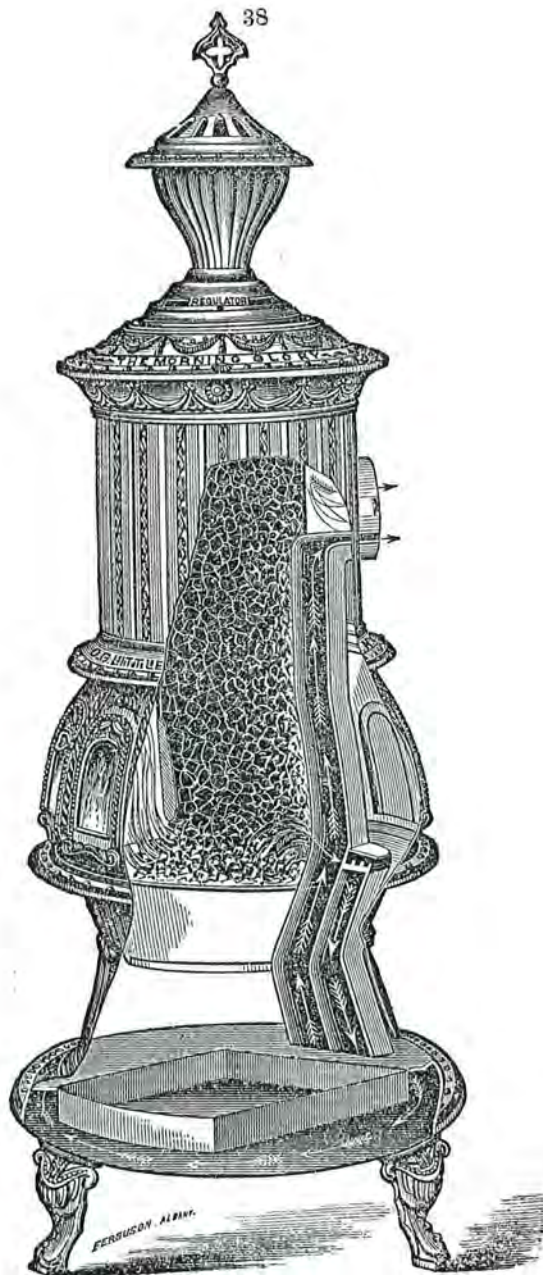
ILLUSTRATING THE NEW CASE FORMED OF DOORS,



An Invention Patented April 5, 1870.



OVENS. } No. 19, 20, 21,
" 22, 23,
" 24, 25, 26.



THE SYPHON FLUE

AUXILIARY FOR THE PURPOSE OF HEATING THE BASE MORE THOROUGHLY; A RECENT INVENTION, FOR WHICH LETTERS PATENT WERE GRANTED TO ME ON THE 21ST DAY OF FEBRUARY, 1871, SECURING THE FOLLOWING CLAIMS:

"In combination with direct-draught stoves, the employment of an inverted syphon, the short arm of which communicates with the combustion-chamber, and the long arm with the smoke-pipe, for conveying a portion of the products of combustion to the base, substantially as set forth."

It is well known that I have regarded a "REVERTIBLE FLUE" as unfit to be employed in "BASE-BURNING" stoves, and for the following reasons:

First. That when such flue is used, a proper combustion of the fuel cannot be produced, from the fact that the gaseous products of combustion, carbonic acid, being turned down below the fire-pot, prevents its free escape from it, resulting in filling the interstices among the ignited and heated coal with such gases, so that air cannot freely pass amongst it, as it should to properly support combustion, producing a *dead red fire*, when it should be so supplied with oxygen (air) as to cause it to burn with a *white glow of heat*; and

Second. That, with such stoves (the revertible flue being used), these gaseous products will also accumulate in that part of the stove above the fire-pot, and *will* (the stove never being gas tight) escape to poison the air of the room.

These were my views when constructing the first pattern of the "Morning Glory," and, not having seen anything to change those views, and much to confirm them, a "REVERTIBLE FLUE" *will not* be applied to the "MORNING GLORY" STOVE.

It is advantageous to so construct a stove that its whole surface can be uniformly heated, but not at the expense of a correct principle of construction. This was my purpose when, in 1863, I constructed the No. 3 stove, the *suspended fire-pot*, the base forming a chamber surrounding it; which stove, it is contended, will warm its base more completely than any "Revertible Flue" stove now in use, providing its ash-pan is cleaned out once per day, and the coal burned is of proper size and quality, and the stove properly treated.

But some people *will not* empty the ash-pan, nor be particular about the size or quality of the coal; nor see to it that the stove has any attention; and in *this* way the object of that invention can be, and is sometimes, defeated.

A "Revertible Flue" stove in the hands of such persons may obviate *their* difficulty; but in doing so it can but produce one of far greater magnitude.

Who would not prefer to *warm* their room even with a stove having a cold base rather than live in an atmosphere tainted with a deadly poison?

But the world moves, and it has been my purpose not to fall behind in improvements.

I have, therefore, sought out a plan, without violating a correct principle, for more effectually heating the base of the stove, and which will continue to heat the base of the stove so long as the fire continues to burn.

I accomplish this by resorting to a well known principle, the *Syphon*, which is a bent tube, whose arms are of unequal length, which being filled, and the short arm inserted into a filled cask, will empty it from the bung-hole, providing the long arm extends below the opposite side of it.

To accomplish my purpose, I have inverted the syphon, as, for this purpose, it is to convey a volatile instead of a fixed fluid. I place the short arm (one or more flues leading to the base) so as to communicate with the heated products of combustion contained in the chamber above the fire-pot; and the long arm (a flue) so as to lead from the base, and discharge into the exit flue and smoke pipe, while the bent portion forms an annular chamber (a flue) in the stove-bottom.

The cut but imperfectly represents the invention, but showing the flue in the base, which is very large. This flue, at the rear and between the upright portions of the syphon (flues leading down and up), is divided by an upright partition crossing it, so that the heat taken in at the short arm (the flue or flues leading to the base) will pass down and around the whole periphery of the base before it can reach the long arm (the ascending flue), and pass upward to the exit flue and chimney.

The upright portions of the syphon (a flue or flues), leading down and up, are made quite small, the purpose being to retard the circulating current *while in the base*, keeping it there as long as possible, taking time to fill said chamber with heat and equal time to empty it, the current being retarded by the smallness of the descending and ascending flues.

On starting the fire, the long arm of the syphon (the ascending flue) is heated by the direct action of the fire, heating the air within it, and causing it to move upward. At the same time, the heated current from the fire on its passage over the magazine to the exit pipe, passes parallel with (see arrows) and hastens to unite with the discharging current.

These two forces create a partial vacuum within the ascending flue, sufficient to displace the air from all parts of the syphon (the descending

flue or flues and the flue in the base) when, as the flue in the base must be filled, the short arm (the descending flue or flues) being in communication with the chamber, receiving the heat from the fire-pot, will receive it to the extent of their capacity, and so fill the enlarged flue in the base, and maintain a heated current in that direction so long as the fire continues to burn, and this without apparently diminishing the heat from other portions of the stove.

It will be observed that this invention is simply an addition to the stove as heretofore constructed; that it is harmless in its character, as it works no change, unless for the better; and that, unlike a "Revertible Flue" stove, it will not put an end to valuable lives, even though the flue should become filled with soot and ashes; as, even in that case, the stove would still perform the same as though this invention had never been thought of. Beware of "*Counterfeits*" and "*Confidence Operators*."

Since this invention was introduced to the public, this class of stove makers have commenced the use of the word "Syphonial," and in some instances "Syphon"; attempting to use those terms to sell the ordinary "Revertible Flue" stove, which *sometimes poisons and kills people*.

The following is a list of the sizes of the "MORNING GLORY" containing this invention:

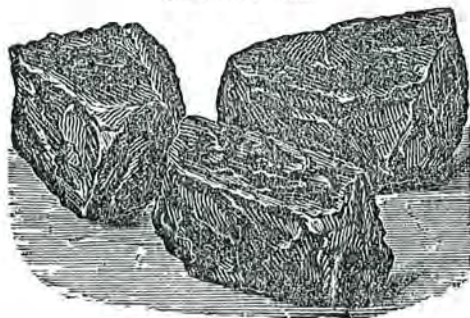
No.	20
"	21
"	22
"	23
"	24
"	25
"	26

INSTRUCTIONS FOR USE.

SIZE OF COAL.



CHESTNUT SIZE.



NUT SIZE.

PREFACE.

See that the stove is perfect; that the mica windows are properly fitted. See also that the pipe is properly fitted, and that there is no other opening to the same flue left open.

STARTING THE FIRE.

Proceed as with any stove; have it burn slowly at first; leave the reservoir cover open when igniting the kindlings, to avoid smoking the windows. Supply hard coal at first in small quantity, and

when once ignited fill the reservoir full and close its cover, *and keep it closed at all times*, except when it becomes necessary to supply coal. If this cover is left open, or opened to hasten the action of the stove, it permits the whole mass of coal to become ignited,

SPECIAL!!

and will destroy the interior arrangements by burning them up, and cause the coal to waste away the same as in a common stove.

EXPLOSIONS AND ESCAPE OF GAS.

To re-fill with coal, the reservoir cover should be first opened, and thereby avoid the escape of gas to the room. After supplying coal, first close the outer cover, then the reservoir cover. This invention, the object of which is to prevent the escape of gas to the room, is patented irrespective of its peculiar construction. No "Base-Burning" stove is or can be safe in those respects that does not employ this invention.

RE-KINDLING.

When the fire is out from neglect to supply coal, shake out the ashes, and kindle on the old coal the same as on the grate in the first instance, which can be done with ease, unless the quantity remaining more than fills the pot, in which case shake out a portion until the depth is only from four to six inches, which will ignite from the top and burn down to the bottom.

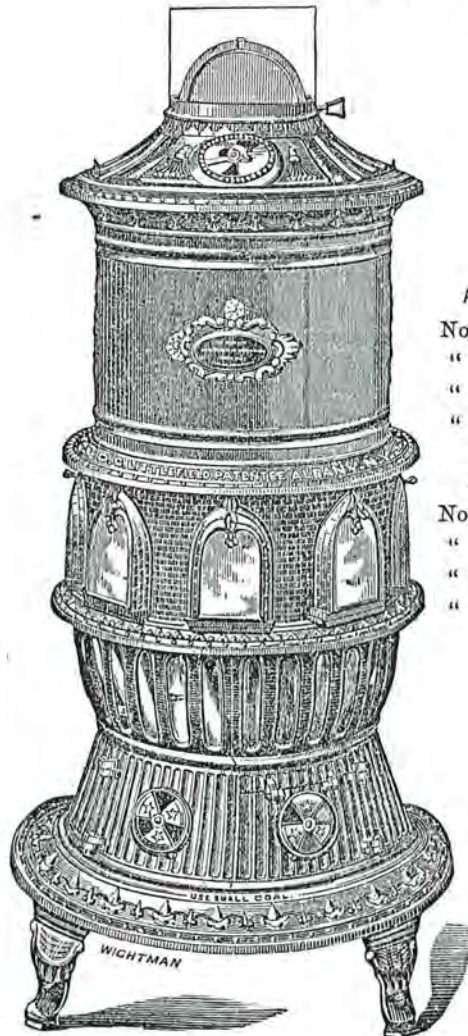
PERPETUAL BURNING

To keep the fire over night, shake out the ashes and slag by means of the "Mill Grate." *See that the reservoir is well supplied with coal.* Nearly close the draft register, and open the regulator on the top cover, so as to permit cold air to pass in at the top, which will check the draught and cool the stove, so that the coal will burn slowly during the night, and the stove be in fine condition for action in the morning.

SIZE OF COAL.

Small coal must be used, though this is not so important as with some of my former stoves. All sizes of the "Morning Glory" will do well with a size of coal that is suitable for a No. 7 cook stove; but they will do far better if proper attention is paid to adapt the size to the size of the stove; say for Nos. 19, 20 and 21, chestnut or nut size; 22, 23 and 24, nut size; 25, 26, 28, 30 and 32, small stove size. Never select the size of coal to be burned by looking at the grate, it being a "mill grate," and not open across its entire surface, permits a large opening at the centre. More coal will pass through the grate and be wasted when too large for the size of the stove, than when it is quite small, owing to the fact that if the coal is too large, combustion ceases after a time, immediately above and upon the grate, and such imperfectly burned coals are milled through with the ashes and slag; whereas, if it is small and of the proper size, none will pass through after starting the first fire.

LITTLEFIELD'S PARLOR FURNACE, OR DOUBLE HEATER.



AS A PARLOR FURNACE.

- No. 10,
- " 11,
- " 12,
- " 13,

AS A DOUBLE HEATER.

- No. 10,
- " 11,
- " 12,
- " 13,

LITTLEFIELD'S PARLOR FURNACE OR DOUBLE HEATER.

The cut on the opposite page represents this *Parlor Furnace, or Double Heater*, which has been so well known to the trade during the past thirteen years.

In 1859 I first introduced to the public this stove to be used as a "*Double Heater*," i. e., to heat a room over as well as the one in which it stands. This was the first stove ever used for this purpose, and the best indication of its value and success in its particular office is the unanimous voice of hundreds and thousands who have them in use, and the steadily increased demand for it from year to year.

The "*Double Heater*" is identical with the "*Morning Glory*" in principle, and in many of its details; but is, however, a more powerful heater, being in fact, a *Portable Heater on a small scale*.

The instructions for the use of the "*Morning Glory*" are applicable also to the *Parlor Furnace, or Double Heater*; but, at the same time, on account of its greater heating capacity, more attention must be given to the regulation of the draught, especially where the chimney has a very strong draught.

The "*Double Heater*" is particularly adapted to the work of heating rooms overhead (although, with the urn, it is used by many as a *Parlor Furnace* for heating one room, in which capacity it also gives universal satisfaction), and has a greater heating capacity than any stove in the market used for this purpose.

The "*Double Heater*" is, in fact, the only *Base-Burning Stove* used for heating upper and lower rooms.

Four sizes of this stove are made the same as heretofore:

- No. 10
- " 11
- " 12
- " 13

These numbers represent the Diameter of the Grate.

LITTLEFIELD'S

BASE-BURNING MORNING GLORY

FIRE-PLACE HEATER.

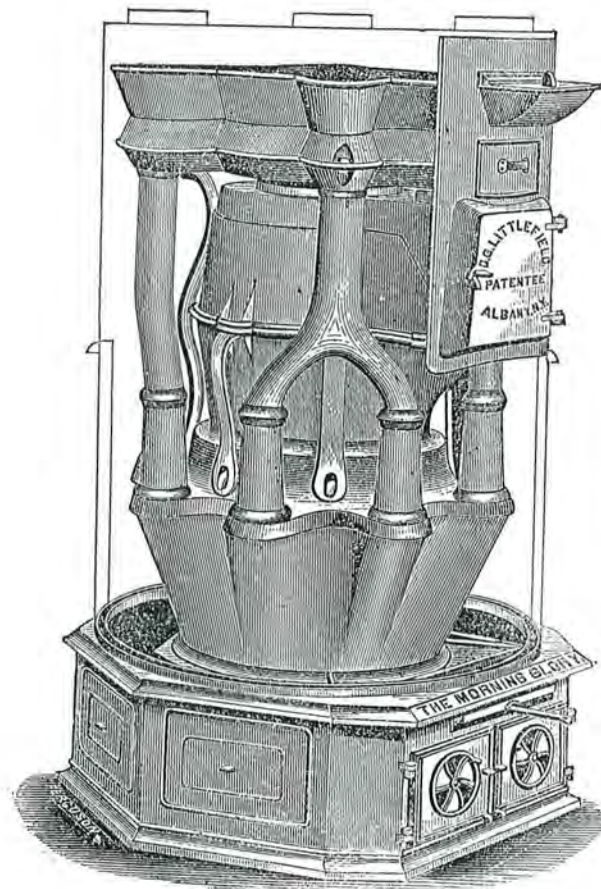
In order to supply the wants of many of our customers, and to meet the demand for a heating medium of this description, we are now preparing for manufacture, a *Base-Burning Fire-Place Heater*, which shall be eminently worthy of the name it is to bear, the "*Morning Glory*," as it will embody the same principles which have made the "*Morning Glory*" so unanimously popular with the people in all parts of the United States, and we have every reason to believe that our "*Fire-Place Heater*" will prove to be equally as popular, combining as it does the same advantages which have placed the "*Morning Glory*" so far ahead of all competitors; and when we state that OVER ONE HUNDRED THOUSAND of these stoves have been sold and are now in use in the United States, we demonstrate at once clearly that the "*Vox POPULI*" is with the "*MORNING GLORY*."

This Fire-Place Heater will be ready for the trade on or about the 15th of July. We have not as yet prepared a cut of it, but will have one for the second edition of this pamphlet to be issued the first of August next.

THE MORNING GLORY PORTABLE HOT-AIR FURNACE.



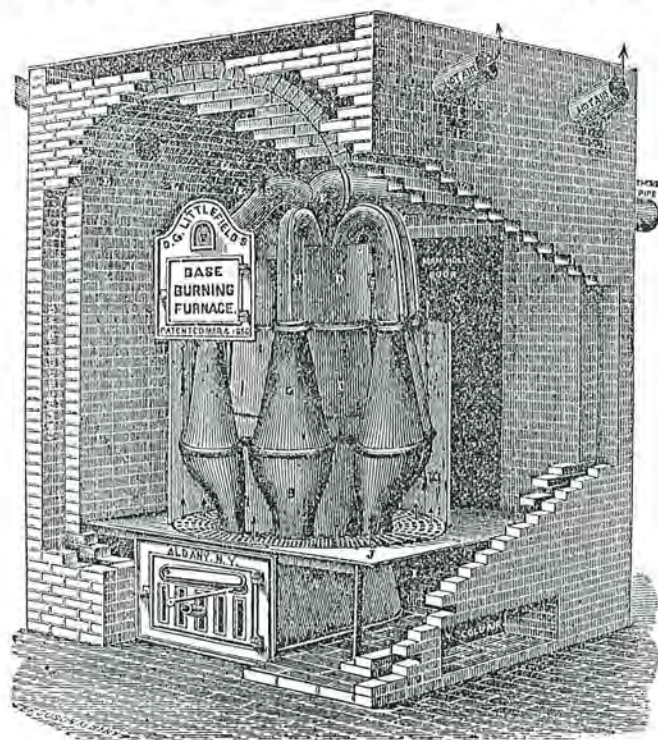
No. 15,	Size of Grate,	15 inches.	Size of Base,	28 by 28 inches.
" 17,	"	17 "	" "	30 by 30 "
" 19,	"	19 "	" "	32 by 32 "
" 21,	"	21 "	" "	34 by 34 "



No. 32,	Diameter of base when used as a Portable,	38 inches.
" 34,	"	40 "
" 36,	"	42 "
" 38,	"	44 "
" 40,	"	46 "

The above sizes are intended for use either as a Portable or Stationary Heater.

THE MORNING GLORY BRICK FURNACE.



No. 19, size of brick work, . . .	5 feet 4 inches by 5 feet 7 inches.
" 22, " " " . . .	5 feet 8 inches by 5 feet 11 inches.
" 26, " " " . . .	6 feet by 6 feet 3 inches.

Either size can be put up in a cellar that is six feet and six inches in the clear. The numbers 19, 22 and 26 give the diameter of the grate and the magazine of each size respectively.

LITTLEFIELD'S

BASE-BURNING

PORTABLE AND STATIONARY HEATERS.

These Heaters have been in successful operation during the past twelve years, during which time no special efforts have been made to push them into market, my special object having been to keep them entirely separate as a manufactured article from the "*Morning Glory*" stoves; and I was determined that they should rise or fall in the estimation of the public *solely on their merits*, after having been tried by *parties who were unprejudiced, and who would give them impartial examination*. And we can now safely say that they occupy a position unattainable by any Furnace whose introduction has been, in a great measure, *a forcible one*.

We have refused many solicitations to publish testimonials, and never did publish any until in the fall of 1868, when our customers *demand*ed a Furnace pamphlet for their own convenience, one that would combine the necessary instructions for the setting and use of the Furnaces, and at the same time give the names of parties having them in use. *They* (our customers) furnishing the entire material from which the pamphlet was elaborated.

It was against our wishes in the matter, and it was only at the earnest and repeated solicitations of our largest customers that the pamphlet was published. In it no mention was made of, or testimonials published from, the purchasers of hundreds of these Furnaces that had been sold to consumers in all parts of the country, whose orders were received and filled at our warehouse in this city, and which were *voluntary* orders, unsolicited by any dealer. Were we to undertake to publish a book containing the testimonials of these voluntary purchasers, we should be obliged to publish it in such a *voluminous style* as would render us liable to a charge, on the part of some less fortunate (or less popular) manufacturer, of having *MANUFACTURED* our own material, to which *direful necessity* we trust never to fall.

This Furnace pamphlet to be published is simply a renewal of the one published in 1868, including cuts and description of the new style of Heaters made this season. We wish dealers to understand fully the position of the New Style Heaters, and would therefore state that they were

made to enable us to furnish certain sizes that we have never before manufactured, and while we shall keep a full assortment of the New Style, we shall also continue to manufacture the same sizes heretofore made.

With this complete line of Furnaces we are prepared to supply all in want of a heating apparatus of any capacity, from the smallest Portable to the largest Stationary Heater.

Our new Furnace pamphlet, containing the names of several thousand persons having these furnaces in use, will be ready for distribution about the 15th of July, and we will send on application a copy to any address.

From the "Independent," (New York City.)

BASE-BURNER DAYS.

BY WM. H. COLEMAN.

There has long been a popular wail in society and literature over the disappearance of the open wood fire. Hitherto there has been some reason for the lamentation; but it exists no longer, as I propose to show.

Very dear to the Saxon heart is the fireside, whether from knowledge or tradition. It may have bounded a yawning cavern, wherein huge logs blazed together; or a more decorous opening of five feet by two, wherein split sticks gently crackled and burned; but in either case it meant warmth, light, home. To be sure, the comfort was somewhat unequal. The great chimney carried away not only smoke, but much heat, whose loss was made good by a rush of cold air through cracks in doors and windows, giving rise to that peculiar physical condition known as "roasting in front and freezing behind." Then the fire must be continually replenished, and each morning rebuilt. If haply red coals could be disinterred from their ashy grave, the fire was soon started; if not, it was a work of time and skill.

By and by stoves were invented—black, ugly things they were, too, holding inside a fiery mass, hidden from human eye. But they gave out heat, and that steadily, and they grew in favor. Fire-places were shut up, and the family gathered around the dark cylinders. It was "the fireside" still, but the soul had departed. Some genius now invented the furnace; and the fireplace took up its abode in the cellar, whence it sent streams of hot air in pipes over the house. If anybody was not warm enough, he went and stood over a hole in the floor. The strongest imagination could not call this "a fireside," and except in speech and literature it was known no more. People spoke of their fireside; newspapers were printed "for the family and fireside"; but the real thing had no existence. These were indeed the dark ages of the home circle. The bewailers of the lost open fires had reason for their grief.

But in due time the Reformation came, and its Luther was Littlefield. His was the mind that conceived of a circular coal-fire, self-fed from above, supplied all around with air, and encased in a stove with mica windows to show the light. Such was the beginning of the BASE-BURNER. It was not a success at first. I well remember using a stove

of the earlier pattern one winter, when, do what we might, the little circle of coal would give only a certain amount of heat, and utterly refused to be driven when sharp weather required, so that water froze in the next room, and we had to use shawls and wraps to keep us warm. But improvement followed. The fire-pot was broadened and disconnected from the cylinder; the mica windows were enlarged; and we saw a stove, economical of fuel, prodigal of heat, and radiant with light. The lost fire-place was found again. Nor were the fireside-loving public long in finding it out, nor the stovemakers slow in manufacturing. For a while the "Morning Glory" had the field; and then there came such a rush of new aspirants to favor that one loses breath in trying to count them—"Morning Lights," "Beacon Lights," "Starlights," "Illuminators," "Brilliantes," "Winter-proofs," "Sunbeams," "Lighthouses,"—dictionaries would fail to furnish names for the new heaters. Letters-patent were disregarded, and the ideas of Littlefield were freely used by other makers. The demand was too great for any one man to control the supply.

If I may hazard the supposition that any of my readers have not yet enjoyed this blessing of modern times, allow me to invite them into the presence of my particular B. B. It is not one of the newest pattern; it has no "drop windows," nor "syphon flue"; but its heat and light are ample, and its management simple. You will notice, first, perhaps, the quality of the heat; it is *cool*, if I may use the word to distinguish it from the hot, headachy, heat of the old-fashioned air-tight. Over its supply there is perfect control. In mild weather you may deaden the fire till scarce a spark is visible; and, when sharp weather comes, fling open the drafts, till the red coals glow and the thin flames quiver about them, and the tide of heat rises through the whole house. What a cheery light is diffused through the room, too. Turn down the lamp a moment. There, you can almost see to read by the fire-light; but don't do it! That light is made to *talk* by. The soft, diffusive glow in the shadowed room invites confidence and loosens the tongue. What do you say? A good light to court by? I believe you. There's many a happy young dog to-day who owes his success in no small degree to the genial base-burner. Creator of new domestic ties and cherisher of old ones is he! I only regret that he came into being a little too late for me. There, close the draft "just on a crack," and we may go to bed, secure of finding our fire all right next morning, and ready with a little shaking and replenishing to burn as cheerily as before.

Do you see now why I don't lament the disappearance of the wood fire? Speaking of which reminds me that when I moved into my present house I was overjoyed to find in the parlor an open fire-place. Ah, thought I, now I can enjoy some old-fashioned winter evenings; and impatiently I awaited the coming of cold weather. The cool October

evenings arrived, and I hastened to remove the fire-board, straighten the andirons, and built my fire. Being fairly under way, it was very pleasant. A wood fire has one advantage over coal—it can talk with you. The voices of burning wood are many and varied, and one may sit alone and yet have company. But my fire soon burnt down and required fresh fuel. It had to be rekindled next morning, and, in fact, several times during the day. Then my wife complained of the fire-place as an ugly black hole, that spoiled her parlor, and said it made dirt; and, in short, that it was a nuisance. But I clung to it; though, after blowing the charred wood that the blaze had left, and getting red in the face and covered with ashes, it didn't seem quite so nice. Colder days came, and the fire failed to keep us warm. "The stove must be put up at once," said wife; and of course it was. Twenty-four hours of my base-burner removed the last vestige of the old illusion; and I put up the fire-board without a sigh.

May I close this rambling talk with a spiritual lesson that my base-burner has taught me? Fires are types of Christian character. There is your wood-fire Christian, at times all ablaze with love and enthusiasm, and warming every one around him. Presently his light is gone, and he smolders in the ashes of dead feeling or sizzles in sappy quietude.

Then there is your air-tight Christian, filled with the fuel of zeal and devotion, but unable to show his brightness, and liable to get overheated, thereby repelling those he would fain do good to. "He scared me away from religion," said one who had been made the subject of appeal by one of these "air-tights."

Lastly, there is your steady, consistent Christian, whose light is ever burning and shining; who, as he daily receives supplies of grace, daily cheers and blesses all around; who is not red-hot to-day and stone-cold to-morrow, but always the same cheerful, loving, active worker—your true base-burner Christian!

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